

Surveyors Package

DHEC-OCRM

Litchfield Beach/Huntington Beach State Park

June 10, 2000

[The page contains extremely faint and illegible text, likely due to low contrast or poor scan quality. No specific content can be transcribed.]

Orthophotographs

Orthophotographs, which are aerial photographs with the distortion removed at ground level, have been produced for all developed beaches in the state. These maps are to national map accuracy standards, and are depicted in the South Carolina State Plane Coordinate System (NAD 83). The maps are based on July 1993 photography, are at a scale of 1"=100', and have the beach lines drawn on them. Copies of these maps are for available for review in the appropriate OCRM office and municipal or county office. Copies are available for sale at Duncan-Parnell, Inc., 3150 W. Montague Ave., North Charleston, SC, 29419, phone 843-747-6033.

Digitized Lines

OCRM has digitized the location of the baseline and setback line for all islands where such lines have been established. These digital line coordinates are listed as northings and eastings in the South Carolina State Plane Coordinate System (NAD 83), in units of international feet. They are provided in order to avoid having different surveyors obtain slightly different results when digitizing or scaling off the orthophotographs. Appendix 1 gives the line coordinates for this area.

Beach Survey Monuments

In 1987, OCRM installed a network of beach survey monuments along most of South Carolina's shoreline. Over time, additional monuments have been added to the network to replace ones that have been destroyed. In general, the replacement monument is along the same shore-perpendicular line as the original monument but farther landward. Replacement monuments are stamped with the letter "B" (or the letter "C" for a third-generation monument). For example, monument 4220 was replaced with 4220B. These monuments are located horizontally in the South Carolina State Plane Coordinate System (NAD 83), and are vertically referenced to 1929 NGVD. Description sheets for all monuments in this are given in Appendix 2. In some cases, the monument's coordinates are given in meters. To convert to international feet, divide by 0.3048.

Local Erosion Rates

OCRM has conducted studies of the long-term erosion rates at all survey monument locations. These rates were used to establish the location of the setback line, and must also be given on individual plats. In erosional areas the exact rate was determined. In stable or accretional areas no specific number was determined, and the shoreline is officially classified as "stable to accretional" or S/A. Local erosion rates for the area covered by this report are given in Appendix 3.

Plat Review Requirements

In order to receive a permit from OCRM for many activities seaward of the setback line, the applicant must submit a plat in state plane coordinates with specific information shown on it. The following is a list of the required information:

Introduction

The 1990 Beachfront Management Act defines the method by which beachfront jurisdiction is established by the South Carolina Department of Health and Environmental Control, Office of Ocean and Coastal Resource Management (OCRM). The Beachfront Management Act requires that all shorelines be classified as inlet zones or standard zones. Inlet zones are further subdivided into stabilized inlet zones or unstabilized inlet zones.

In unstabilized inlet zones, the baseline is located at the most landward position of the shoreline in the past 40 years, unless the best available scientific and historical data of the inlet and adjacent beaches indicate that the shoreline is unlikely to return to its former position. In standard zones and stabilized inlet zones, the baseline is located at the crest of the primary oceanfront sand dune. If there is no primary dune, the baseline is established based on the volume of sand on the active beach profile at each survey monument.

The position of the setback line is determined by the local long-term erosion rate. In erosional areas, the setback line is located landward of the baseline a distance equal to 40 times the annual erosion rate. In stable or accretional areas, the setback line is located 20 feet landward of the baseline.

All original baselines and setback lines became final on July 3rd, 1991. The Beachfront Management Act calls for all lines to be revised between July 1998 and July 2000, and then once every eight to 10 years after each preceding revision. Once a line is adopted as final, it will not change unless OCRM moves it as the result of a successful legal appeal of the line position or following a successful beach renourishment project. The date on which the new lines for this particular area were adopted as final is listed on the front cover.

Section 48-39-330 of the Beachfront Management Act reads as follows:

Thirty days after the initial adoption by the Department of setback lines, a contract of sale or transfer of real property located in whole or in part seaward of the setback line or the jurisdictional line must contain a disclosure statement that the property is or may be affected by the setback line, baseline, and the seaward corners of all habitable structures referenced to the South Carolina State Plane Coordinate System (N.A.D.-1983) and include the local erosion rate most recently made available by the Department for that particular standard zone or inlet zone as applicable. Language reasonably calculated to call attention to the existence of baselines, setback lines, jurisdictional lines, and the seaward corners of all habitable structures and the erosion rate complies with this section. The provisions of this section are regulatory in nature and do not affect the legality of an instrument violating the provisions.

As a result, surveyors have been called upon to transfer the OCRM baseline and setback lines to individual plats and to locate these lines in the field. OCRM has undertaken several steps to facilitate this task, as described below.

Appendix 1
Line Coordinates

This appendix contains a listing of OCRM baseline and setback line coordinates, given as northings and eastings in international feet referenced to the South Carolina State Plane Coordinate System (NAD 83). Coordinates are listed as one continuous line that begins at one end of the island or beach and extends to the other. There are separate listings for the baseline and the setback line.

1. **Monuments used to reference the survey.**
2. **Line coordinates used to establish the baseline and setback line.**
3. **Coordinates of the property corners.**
4. **Coordinates of the corners of any habitable structures on the property.**
5. **Distance between the seaward structure corners and the baseline and setback line.**
6. **Footprint of all structures on the property.**
7. **Location of the crest and trough of the primary oceanfront sand dune.**
8. **Local erosion rate.**

Litchfield Beach/Huntington Beach State Park Baseline

595837.60	2578095.59
595865.37	2578107.49
595900.08	2578122.37
595929.83	2578136.25
595955.62	2578146.17
595982.40	2578165.01
596010.16	2578178.90
596038.92	2578193.78
596069.67	2578203.69
596094.46	2578212.62
596131.16	2578231.46
596161.90	2578246.34
596193.64	2578261.21
596219.42	2578274.11
596250.17	2578287.00
596270.00	2578295.92
596329.51	2578322.70
596359.26	2578337.58
596391.99	2578351.46
596421.74	2578367.33
596463.39	2578390.14
596534.80	2578424.85
596590.33	2578448.65
596627.03	2578468.49
596679.59	2578499.23
596720.25	2578517.08
596762.90	2578536.92
596797.61	2578552.79
596868.02	2578581.55
596917.61	2578606.34
596957.28	2578625.18
596983.07	2578637.08
597028.69	2578655.93
597062.41	2578673.78
597094.14	2578687.66
597126.87	2578702.54
597164.55	2578717.42
597200.26	2578733.28
597250.84	2578753.12
597299.43	2578768.00
597356.95	2578788.82
597414.47	2578810.64
597458.11	2578830.48
597520.59	2578874.11
597575.14	2578894.94
597617.78	2578916.76
597668.36	2578938.58
597715.96	2578959.40
597764.56	2578983.20
597812.16	2579008.00
597884.56	2579049.65
597968.86	2579085.35
598019.44	2579113.12
598061.09	2579137.92
598112.66	2579163.70
598160.27	2579186.51
598221.75	2579220.23

Litchfield Beach/Huntington Beach State Park Baseline

DHEC-OCRM BASELINE COORDINATES
LITCHFIELD BEACH/HUNTINGTON BEACH STATE PARK
VALID AS OF 06/10/2000
STATE-PLANE COORDINATE SYSTEM, NAD 1983
INTERNATIONAL FEET

NORTHING	EASTING
593992.08	2577168.81
594056.53	2577245.27
594120.99	2577321.72
594185.44	2577398.18
594240.89	2577463.95
594300.40	2577491.62
594332.13	2577505.50
594370.81	2577518.40
594396.60	2577529.31
594410.48	2577534.26
594451.14	2577549.14
594469.98	2577558.07
594508.66	2577573.93
594545.36	2577587.82
594579.08	2577597.74
594614.78	2577609.64
594654.45	2577623.52
594698.09	2577638.40
594721.89	2577647.32
594775.44	2577664.18
594799.24	2577676.08
594831.97	2577685.01
594853.79	2577695.92
594880.57	2577704.84
594906.35	2577714.76
594942.05	2577727.66
594988.67	2577743.52
595019.41	2577753.44
595055.11	2577767.32
595087.84	2577779.23
595111.64	2577786.17
595151.31	2577800.05
595182.06	2577810.96
595227.68	2577829.80
595264.37	2577844.68
595304.04	2577864.52
595338.75	2577881.38
595377.43	2577898.24
595403.22	2577908.15
595429.99	2577924.02
595457.76	2577936.91
595492.47	2577949.81
595526.19	2577965.67
595564.87	2577985.51
595610.49	2578002.37
595656.11	2578018.24
595692.81	2578033.11
595734.46	2578052.95
595780.08	2578072.78
595808.84	2578080.72

Litchfield Beach/Huntington Beach State Park Baseline

601715.98	2581181.73
601764.27	2581205.70
601799.97	2581229.51
601842.61	2581270.17
601898.15	2581302.89
601938.17	2581330.23
601988.07	2581416.28
602025.31	2581436.97
602054.97	2581454.90
602087.38	2581476.28
602132.21	2581505.24
602178.42	2581532.14
602219.11	2581556.97
602261.17	2581587.31
602312.21	2581628.00
602367.38	2581661.79
602430.14	2581695.59
602484.62	2581723.86
602521.17	2581741.11
602555.66	2581770.07
602582.55	2581788.69
602602.55	2581800.42
602632.21	2581819.04
602657.04	2581835.59
602681.86	2581850.76
602702.55	2581863.17
602728.76	2581879.73
602748.07	2581893.52
602786.00	2581910.76
602827.38	2581938.35
602856.35	2581963.17
602883.93	2581979.73
602912.21	2581994.90
602939.79	2582008.69
602967.38	2582021.79
602985.31	2582032.83
603007.38	2582048.00
603032.21	2582063.86
603055.65	2582078.35
603078.41	2582090.07
603099.10	2582100.41
603119.79	2582113.52
603141.17	2582122.48
603160.48	2582131.45
603187.38	2582142.48
603208.76	2582155.59
603226.69	2582165.24
603245.31	2582174.21
603267.38	2582190.07
603286.00	2582198.35
603321.17	2582206.62
603353.58	2582216.97
603373.58	2582228.69
603409.45	2582250.07
603451.52	2582274.21
603483.93	2582308.00
603511.52	2582353.52

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598277.29	2579249.98
598329.85	2579276.76
598393.33	2579308.50
598454.81	2579340.23
598501.43	2579363.04
598553.99	2579393.79
598596.63	2579416.60
598658.12	2579451.31
598710.68	2579477.09
598772.17	2579512.80
598823.74	2579541.56
598856.47	2579560.40
598903.08	2579587.18
598956.64	2579620.90
599012.17	2579654.61
599053.83	2579673.46
599098.46	2579697.26
599162.92	2579735.94
599228.38	2579772.63
599266.06	2579797.43
599332.51	2579834.12
599416.81	2579873.79
599470.36	2579891.64
599509.04	2579913.46
599553.67	2579935.28
599603.25	2579957.10
599641.93	2579979.91
599692.51	2580015.61
599747.06	2580042.39
599785.74	2580060.24
599840.28	2580095.94
599914.66	2580133.63
599986.07	2580176.27
600055.49	2580218.92
600141.29	2580270.29
600227.08	2580321.66
600312.88	2580373.03
600366.90	2580405.37
600451.59	2580458.55
600536.27	2580511.73
600572.19	2580534.29
600638.64	2580557.10
600679.30	2580574.95
600730.87	2580605.70
600810.21	2580653.30
600861.78	2580683.05
600947.42	2580734.68
601001.61	2580767.35
601092.86	2580830.82
601154.34	2580873.47
601229.72	2580910.16
601316.99	2580954.79
601379.47	2581002.40
601471.70	2581050.99
601532.20	2581079.75
601580.79	2581111.49
601626.41	2581137.27

Litchfield Beach/Huntington Beach State Park Baseline

605544.20	2583618.49
605590.61	2583646.03
605658.66	2583690.77
605689.78	2583713.87
605754.04	2583785.15
605804.24	2583824.31
605857.45	2583865.47
605934.76	2583911.65
606015.27	2583988.04
606086.36	2584041.17
606141.58	2584075.30
606177.72	2584095.38
606212.86	2584122.49
606277.12	2584162.65
606324.31	2584188.76
606377.52	2584224.90
606425.71	2584263.05
606472.90	2584301.20
606526.11	2584347.39
606623.92	2584429.93
606657.13	2584457.02
606698.19	2584483.23
606729.65	2584510.32
606759.36	2584536.53
606791.69	2584564.49
606820.52	2584592.45
606861.59	2584621.29
606905.98	2584663.30
606964.62	2584709.73
607037.37	2584778.34
607076.53	2584815.26
607121.10	2584845.84
607151.68	2584867.69
607199.73	2584906.13
607240.80	2584937.59
607270.51	2584957.69
607295.85	2584976.91
607323.81	2584998.75
607369.24	2585032.83
607398.95	2585052.93
607450.50	2585078.27
607492.44	2585107.10
607530.89	2585137.68
607564.97	2585172.63
607617.39	2585214.57
607651.47	2585228.55
607680.30	2585260.01
607717.88	2585296.71
607741.47	2585325.54
607781.66	2585349.13
607833.62	2585379.90
607950.30	2585439.13
607987.00	2585463.60
608015.83	2585488.06
608045.54	2585505.54
608079.61	2585535.24
608114.57	2585565.83

Litchfield Beach/Huntington Beach State Park Baseline

603570.83	2582384.55
603614.27	2582408.69
603637.72	2582419.72
603709.45	2582461.10
603748.76	2582479.03
603783.24	2582496.28
603827.38	2582526.62
603849.45	2582543.17
603879.79	2582567.31
603905.31	2582579.03
603933.58	2582600.41
603963.24	2582619.72
603999.10	2582636.27
604025.31	2582652.83
604048.07	2582669.38
604065.31	2582679.03
604090.13	2582696.27
604113.58	2582713.52
604143.93	2582732.14
604183.93	2582752.83
604212.20	2582768.69
604251.51	2582805.24
604292.89	2582833.52
604330.82	2582850.07
604398.41	2582897.65
604439.10	2582921.10
604470.13	2582935.58
604499.79	2582950.76
604528.75	2582970.76
604561.86	2582987.31
604616.34	2583007.31
604658.41	2583033.52
604692.25	2583065.31
604741.17	2583096.27
604790.82	2583137.65
604815.65	2583156.27
604834.96	2583167.31
604860.48	2583181.79
604892.89	2583199.03
604919.79	2583216.27
604958.41	2583232.82
605002.55	2583257.65
605028.06	2583276.96
605052.89	2583293.51
605078.41	2583316.27
605118.41	2583342.48
605141.17	2583356.96
605170.13	2583377.65
605192.20	2583388.69
605233.58	2583414.20
605286.18	2583444.80
605323.32	2583467.89
605358.46	2583490.98
605390.59	2583516.08
605429.75	2583538.17
605458.86	2583557.24
605499.02	2583587.36

Litchfield Beach/Huntington Beach State Park Baseline

610261.40	2587502.96
610298.98	2587539.66
610363.64	2587645.39
610395.09	2587685.58
610425.67	2587709.17
610450.14	2587730.14
610479.85	2587748.49
610516.54	2587749.36
610547.13	2587765.96
610575.96	2587771.21
610627.51	2587777.32
610653.72	2587786.94
610709.65	2587814.90
610741.98	2587844.60
610782.17	2587884.80
610819.74	2587926.74
610847.70	2587967.80
610861.68	2587988.77
610882.65	2588013.24
610907.99	2588044.70
610931.58	2588069.16
610954.30	2588091.88
610976.14	2588121.59
610993.62	2588144.30
611008.47	2588156.54
611030.32	2588177.51
611060.03	2588205.47
611079.25	2588220.32
611098.47	2588240.42
611128.18	2588271.87
611157.01	2588298.96
611178.86	2588318.18
611208.57	2588348.77
611229.54	2588366.24
611261.86	2588390.71
611283.71	2588409.93
611312.54	2588439.64
611343.13	2588465.85
611371.09	2588491.19
611401.67	2588521.77
611434.00	2588550.61
611475.06	2588589.92
611505.65	2588618.76
611537.97	2588644.10
611567.68	2588673.81
611607.00	2588712.25
611649.82	2588748.08
611724.09	2588803.12
611767.77	2588828.46
611793.99	2588849.43
611825.44	2588882.64
611863.01	2588926.32
611890.10	2588953.41
611918.06	2588982.24
611941.65	2589006.71
611966.99	2589034.67
611987.96	2589056.51

Litchfield Beach/Huntington Beach State Park Baseline

608150.39	2585598.16
608180.10	2585620.87
608216.80	2585659.32
608246.50	2585687.28
608298.06	2585733.59
608375.34	2585797.05
608452.62	2585860.52
608454.46	2585862.03
608494.65	2585895.24
608522.61	2585924.94
608559.31	2585957.27
608608.24	2585996.59
608649.31	2586024.55
608689.50	2586083.09
608711.35	2586102.32
608733.19	2586124.16
608759.40	2586146.88
608788.24	2586175.71
608812.70	2586200.18
608838.92	2586219.40
608868.62	2586237.75
608900.95	2586257.85
608922.80	2586278.82
608951.63	2586299.79
609002.31	2586346.10
609022.41	2586367.07
609044.25	2586388.04
609066.09	2586410.76
609116.77	2586447.45
609143.86	2586477.16
609190.17	2586518.23
609221.62	2586547.06
609243.47	2586565.41
609266.19	2586587.26
609301.14	2586616.96
609357.06	2586652.79
609409.48	2586683.37
609436.57	2586709.58
609487.25	2586758.51
609513.46	2586778.61
609549.29	2586814.44
609613.07	2586865.11
609671.61	2586926.28
609718.80	2586972.59
609753.75	2587008.41
609806.17	2587065.21
609831.51	2587097.53
609858.60	2587139.48
609890.93	2587168.31
609925.01	2587199.77
609960.83	2587232.09
609981.80	2587254.81
610020.25	2587293.26
610075.29	2587323.84
610125.10	2587371.02
610165.29	2587407.72
610222.96	2587466.26

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613455.89	2590506.09
613496.95	2590541.91
613530.16	2590578.61
613560.74	2590595.21
613595.69	2590617.93
613630.64	2590645.89
613657.73	2590675.60
613687.44	2590704.43
613700.54	2590728.03
613725.01	2590760.36
613746.85	2590787.44
613773.06	2590818.90
613801.90	2590846.86
613827.24	2590866.08
613846.46	2590882.68
613869.18	2590911.52
613894.52	2590937.73
613919.86	2590956.08
613943.45	2590979.67
613971.41	2591007.63
613994.13	2591029.48
614015.10	2591049.57
614036.94	2591076.66
614066.65	2591108.99
614087.62	2591128.21
614111.21	2591146.56
614139.17	2591175.39
614164.51	2591192.00
614187.23	2591212.97
614208.20	2591234.81
614239.65	2591268.89
614269.36	2591295.97
614303.44	2591322.19
614334.02	2591344.03
614369.85	2591378.98
614388.19	2591406.07
614407.42	2591433.15
614434.50	2591474.22
614462.46	2591491.70
614491.30	2591511.79
614521.88	2591532.76
614548.09	2591555.48
614575.18	2591586.06
614593.53	2591614.90
614618.87	2591637.62
614644.21	2591662.08
614668.67	2591686.55
614690.52	2591707.52
614707.99	2591727.61
614728.09	2591759.94
614749.06	2591787.90
614770.90	2591816.74
614790.13	2591830.72
614833.81	2591861.30

END

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Litchfield Beach/Huntington Beach State Park Baseline

612016.80	2589088.84
612041.26	2589120.30
612067.48	2589145.64
612094.56	2589171.85
612126.02	2589200.69
612149.61	2589220.78
612171.45	2589247.87
612188.06	2589265.34
612198.54	2589274.96
612227.37	2589304.66
612246.60	2589327.38
612258.83	2589344.86
612282.42	2589364.08
612308.63	2589385.05
612319.99	2589395.54
612339.22	2589413.88
612367.18	2589436.60
612389.02	2589456.70
612408.24	2589478.54
612430.09	2589501.26
612467.66	2589535.34
612497.37	2589557.18
612534.07	2589593.88
612556.78	2589616.60
612607.46	2589658.54
612631.93	2589680.38
612654.65	2589705.72
612680.86	2589731.93
612705.32	2589758.15
612728.92	2589779.99
612751.63	2589800.09
612778.72	2589825.43
612797.94	2589845.52
612813.67	2589866.49
612841.63	2589884.84
612869.59	2589906.69
612890.56	2589925.04
612923.76	2589946.88
612942.99	2589964.36
612971.82	2589994.06
613005.90	2590028.14
613026.87	2590056.10
613047.84	2590077.95
613063.57	2590099.79
613086.29	2590119.89
613117.74	2590156.58
613152.69	2590190.66
613177.16	2590216.87
613205.12	2590247.46
613235.70	2590278.04
613257.54	2590298.13
613281.13	2590320.85
613304.73	2590343.57
613328.32	2590365.41
613372.88	2590404.73
613394.72	2590425.70
613420.94	2590467.64

Litchfield Beach/Huntington Beach State Park Setback Line

601164.48	2580856.16
601238.47	2580892.18
601326.10	2580936.99
601390.27	2580985.48
601480.66	2581033.11
601540.79	2581061.69
601591.19	2581094.39
601635.79	2581119.60
601725.36	2581164.06
601773.16	2581187.79
601811.06	2581212.86
601813.45	2581214.82
601854.75	2581254.10
601908.31	2581285.66
601949.45	2581313.71
601952.31	2581316.09
601955.47	2581320.19
602002.61	2581401.47
602035.03	2581419.48
602065.32	2581437.78
602098.32	2581459.53
602142.67	2581488.19
602188.48	2581514.86
602229.52	2581539.89
602272.87	2581571.09
602323.71	2581611.59
602377.35	2581644.45
602439.49	2581677.91
602493.50	2581705.94
602529.71	2581723.02
602534.04	2581725.79
602567.81	2581754.16
602593.32	2581771.82
602612.67	2581783.16
602642.84	2581802.10
602667.80	2581818.73
602692.22	2581833.65
602712.84	2581846.02
602739.44	2581862.82
602758.11	2581876.11
602794.28	2581892.55
602797.09	2581894.12
602838.47	2581921.70
602868.08	2581946.89
602893.81	2581962.33
602921.41	2581977.14
602948.56	2581990.71
602975.96	2582003.73
602995.79	2582015.80
603018.43	2582031.33
603042.85	2582046.93
603065.50	2582060.92
603087.47	2582072.23
603108.05	2582082.53
603129.08	2582095.72
603148.91	2582104.04
603168.49	2582113.12

Litchfield Beach/Huntington Beach State Park Setback Line

598029.06	2579095.59
598070.69	2579120.36
598121.46	2579145.74
598168.91	2579168.48
598231.29	2579202.65
598286.55	2579232.26
598338.87	2579258.91
598402.27	2579290.61
598463.80	2579322.36
598510.22	2579345.08
598563.76	2579376.33
598606.07	2579398.96
598667.45	2579433.61
598719.49	2579459.14
598782.07	2579495.41
598833.48	2579524.09
598866.44	2579543.06
598913.05	2579569.83
598967.16	2579603.88
599021.52	2579636.89
599062.07	2579655.24
599107.87	2579679.61
599172.96	2579718.64
599238.16	2579755.19
599276.41	2579780.29
599341.61	2579816.30
599424.25	2579855.19
599476.69	2579872.67
599480.19	2579874.22
599518.35	2579895.75
599562.09	2579917.13
599611.31	2579938.79
599652.09	2579962.68
599702.75	2579998.36
599755.66	2580024.33
599794.12	2580042.08
599796.69	2580043.50
599850.31	2580078.60
599923.70	2580115.79
599996.32	2580159.10
600065.86	2580201.82
600151.66	2580253.19
600237.45	2580304.56
600323.25	2580355.93
600377.17	2580388.21
600461.86	2580441.39
600546.54	2580494.57
600580.87	2580516.13
600645.13	2580538.19
600687.34	2580556.64
600689.54	2580557.77
600741.11	2580588.52
600820.35	2580636.06
600871.77	2580665.73
600957.41	2580717.35
601011.94	2580750.22
601104.26	2580814.40

Litchfield Beach/Huntington Beach State Park Setback Line

595786.76	2578053.88
595814.16	2578061.44
595816.49	2578062.24
595846.15	2578077.49
595873.25	2578089.11
595907.96	2578103.99
595937.66	2578117.84
595962.80	2578127.50
595967.13	2578129.82
595992.68	2578147.80
596019.11	2578161.01
596046.64	2578175.25
596075.81	2578184.66
596101.24	2578193.80
596140.08	2578213.56
596170.50	2578228.28
596202.13	2578243.10
596227.77	2578255.92
596257.90	2578268.56
596278.21	2578277.69
596337.71	2578304.46
596367.64	2578319.41
596399.80	2578333.05
596431.15	2578349.68
596472.57	2578372.37
596543.11	2578406.66
596598.21	2578430.27
596636.54	2578450.89
596688.69	2578481.38
596728.29	2578498.77
596771.27	2578518.76
596805.55	2578534.43
596875.59	2578563.03
596926.37	2578588.36
596965.76	2578607.07
596991.08	2578618.76
597036.32	2578637.44
597071.10	2578655.75
597102.16	2578669.34
597134.68	2578684.12
597171.90	2578698.81
597207.97	2578714.83
597257.42	2578734.22
597305.29	2578748.87
597363.76	2578770.02
597421.57	2578791.94
597466.39	2578812.27
597469.56	2578814.08
597530.02	2578856.31
597582.27	2578876.25
597626.31	2578898.65
597676.28	2578920.21
597723.98	2578941.08
597773.36	2578965.24
597821.40	2578990.26
597893.48	2579031.71
597976.66	2579066.94

Litchfield Beach/Huntington Beach State Park Setback Line

DHEC-OCRM SETBACK LINE COORDINATES
LITCHFIELD BEACH/HUNTINGTON BEACH STATE PARK
VALID AS OF 06/10/2000
STATE-PLANE COORDINATE SYSTEM, NAD 1983
INTERNATIONAL FEET

NORTHING	EASTING
594008.70	2577157.49
594073.15	2577233.95
594137.61	2577310.40
594202.06	2577386.86
594253.33	2577447.68
594308.62	2577473.39
594339.32	2577486.82
594377.13	2577499.42
594403.86	2577510.66
594417.21	2577515.43
594458.01	2577530.36
594478.07	2577539.76
594516.00	2577555.33
594551.73	2577568.85
594584.72	2577578.55
594621.10	2577590.66
594660.98	2577604.62
594704.54	2577619.47
594728.41	2577628.41
594781.45	2577645.11
594806.42	2577657.31
594837.23	2577665.71
594839.62	2577666.53
594861.46	2577677.40
594886.89	2577685.87
594913.34	2577696.02
594948.67	2577708.78
594994.96	2577724.54
595025.55	2577734.41
595062.16	2577748.60
595094.07	2577760.21
595117.24	2577766.97
595157.92	2577781.18
595188.75	2577792.11
595235.25	2577811.29
595271.89	2577826.15
595312.88	2577846.58
595347.12	2577863.21
595385.02	2577879.73
595410.40	2577889.49
595413.41	2577890.95
595439.33	2577906.30
595465.47	2577918.44
595499.44	2577931.06
595534.71	2577947.58
595572.93	2577967.16
595617.24	2577983.54
595662.68	2577999.35
595700.32	2578014.58
595742.75	2578034.74

Litchfield Beach/Huntington Beach State Park Setback Line

604803.23	2583121.96
604826.65	2583139.53
604844.86	2583149.93
604870.11	2583164.26
604902.28	2583181.37
604929.19	2583198.54
604966.29	2583214.44
605012.35	2583240.22
605039.65	2583260.65
605063.98	2583276.87
605090.61	2583300.36
605129.26	2583325.68
605151.90	2583340.09
605180.48	2583360.47
605201.14	2583370.80
605243.86	2583397.04
605296.23	2583427.51
605333.88	2583450.90
605369.45	2583474.27
605401.72	2583499.40
605439.57	2583520.75
605469.82	2583540.51
605510.70	2583571.12
605554.99	2583601.63
605600.82	2583628.83
605669.65	2583674.06
605701.70	2583697.80
605703.92	2583699.72
605767.72	2583770.46
605816.51	2583808.51
605868.74	2583848.92
605945.01	2583894.48
605947.96	2583896.78
606028.19	2583972.72
606097.63	2584024.62
606151.70	2584058.05
606187.44	2584077.90
606224.30	2584106.05
606287.27	2584145.41
606333.99	2584171.26
606388.76	2584208.36
606438.12	2584247.37
606485.47	2584285.65
606539.11	2584332.19
606636.69	2584414.54
606668.87	2584440.79
606708.95	2584466.37
606742.70	2584495.16
606772.51	2584521.47
606804.77	2584549.36
606833.31	2584576.99
606873.08	2584604.92
606875.06	2584606.58
606919.08	2584648.17
606977.03	2584694.05
607049.82	2584762.62
607089.13	2584799.65

Litchfield Beach/Huntington Beach State Park Setback Line

603194.97	2582123.98
603197.83	2582125.43
603218.73	2582138.24
603235.77	2582147.42
603253.99	2582156.19
603256.98	2582157.97
603277.38	2582172.63
603292.41	2582179.31
603325.75	2582187.15
603359.67	2582197.91
603363.70	2582199.71
603383.70	2582211.44
603419.54	2582232.80
603461.47	2582256.86
603465.66	2582260.06
603498.36	2582294.16
603501.03	2582297.63
603525.73	2582338.38
603580.10	2582366.83
603623.40	2582390.88
603646.24	2582401.63
603718.61	2582443.30
603757.06	2582460.84
603792.18	2582478.39
603838.71	2582510.14
603861.45	2582527.17
603890.34	2582550.15
603913.66	2582560.86
603917.37	2582563.08
603945.09	2582584.04
603972.94	2582602.17
604007.48	2582618.12
604035.99	2582635.92
604058.87	2582652.51
604075.08	2582661.58
604101.54	2582679.85
604124.76	2582696.91
604153.76	2582714.71
604193.12	2582735.06
604221.99	2582751.25
604224.88	2582753.44
604264.03	2582789.57
604302.62	2582815.94
604338.82	2582831.74
604342.34	2582833.71
604409.18	2582880.78
604448.34	2582903.34
604478.59	2582917.46
604508.90	2582932.95
604538.96	2582953.50
604569.80	2582968.92
604623.23	2582988.53
604626.91	2582990.33
604668.98	2583016.54
604671.58	2583018.60
604704.55	2583049.43
604751.86	2583079.37

Litchfield Beach/Huntington Beach State Park Setback Line

609079.27	2586395.61
609128.50	2586431.26
609130.92	2586433.31
609157.92	2586462.90
609203.44	2586503.27
609234.82	2586532.03
609256.33	2586550.10
609279.61	2586572.41
609313.06	2586600.85
609367.50	2586635.72
609419.56	2586666.10
609422.96	2586668.71
609450.47	2586695.20
609500.32	2586743.34
609525.63	2586762.74
609562.62	2586799.49
609625.51	2586849.45
609685.85	2586912.22
609732.81	2586958.31
609768.06	2586994.44
609820.87	2587051.64
609847.25	2587085.20
609873.93	2587126.35
609904.24	2587153.38
609938.49	2587184.99
609974.23	2587217.25
609996.22	2587240.95
610032.41	2587277.14
610085.01	2587306.36
610088.24	2587308.80
610138.72	2587356.38
610178.78	2587392.95
610236.99	2587452.01
610275.21	2587488.49
610312.95	2587525.35
610316.04	2587529.23
610380.10	2587633.97
610409.29	2587671.28
610437.89	2587693.33
610461.97	2587713.94
610485.74	2587728.62
610517.02	2587729.37
610524.20	2587730.89
610553.85	2587746.86
610578.93	2587751.42
610629.87	2587757.46
610633.21	2587758.34
610660.61	2587768.16
610718.59	2587797.01
610721.42	2587799.05
610755.51	2587829.88
610796.31	2587870.65
610834.64	2587913.39
610864.23	2587956.55
610877.65	2587976.68
610897.84	2588000.22
610923.01	2588031.45

Litchfield Beach/Huntington Beach State Park Setback Line

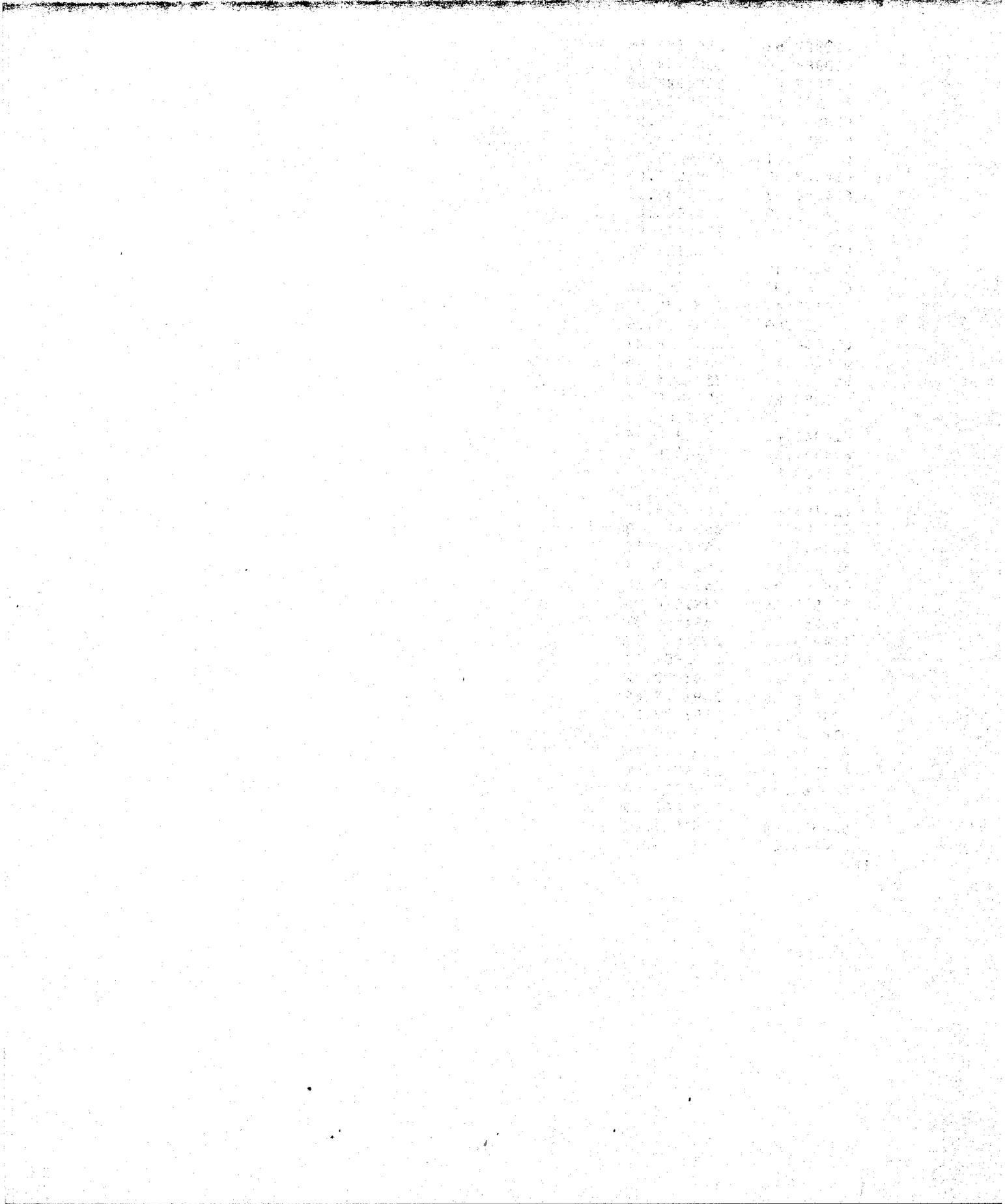
607132.41	2584829.35
607163.30	2584851.41
607212.06	2584890.38
607252.49	2584921.35
607281.71	2584941.12
607307.94	2584960.97
607335.97	2584982.87
607380.85	2585016.54
607409.01	2585035.59
607459.33	2585060.32
607503.78	2585090.62
607543.34	2585122.03
607578.43	2585157.79
607627.64	2585197.16
607659.06	2585210.05
607665.61	2585214.41
607694.67	2585246.09
607731.85	2585282.40
607754.68	2585310.10
607791.78	2585331.88
607843.25	2585362.36
607959.35	2585421.30
607998.09	2585446.95
608027.46	2585471.70
608055.68	2585488.30
608092.76	2585520.17
608127.74	2585550.77
608163.18	2585582.76
608192.25	2585604.99
608230.89	2585645.12
608260.04	2585672.56
608311.09	2585718.41
608388.37	2585781.88
608465.65	2585845.34
608467.15	2585846.58
608507.39	2585879.82
608536.54	2585910.55
608572.19	2585941.97
608620.15	2585980.51
608660.56	2586008.02
608663.45	2586010.41
608665.80	2586013.23
608704.58	2586069.72
608724.56	2586087.30
608746.83	2586109.51
608772.50	2586131.77
608802.38	2586161.57
608825.76	2586184.96
608850.10	2586202.80
608879.13	2586220.73
608911.51	2586240.86
608914.42	2586243.17
608935.66	2586263.45
608963.40	2586283.61
609015.80	2586331.33
609036.56	2586352.93
609058.10	2586373.61

Litchfield Beach/Huntington Beach State Park Setback Line

612444.03	2589486.91
612480.34	2589519.83
612509.22	2589541.07
612511.51	2589543.04
612548.21	2589579.74
612570.26	2589601.79
612620.21	2589643.13
612645.25	2589665.46
612669.17	2589691.97
612695.00	2589717.79
612719.45	2589743.97
612742.34	2589765.16
612764.88	2589785.11
612792.38	2589810.82
612812.40	2589831.70
612827.57	2589851.69
612852.60	2589868.12
612881.90	2589890.93
612902.70	2589909.08
612934.76	2589930.17
612956.44	2589949.56
612986.07	2589980.03
613020.04	2590014.00
613021.90	2590016.14
613042.14	2590043.13
613062.27	2590064.10
613064.07	2590066.26
613078.49	2590086.29
613099.54	2590104.91
613132.34	2590142.89
613166.65	2590176.34
613191.78	2590203.23
613219.58	2590233.63
613249.55	2590263.60
613271.08	2590283.42
613295.01	2590306.45
613318.46	2590329.03
613341.73	2590350.58
613386.11	2590389.74
613408.57	2590411.28
613411.68	2590415.10
613436.94	2590455.52
613469.91	2590491.78
613510.10	2590526.84
613542.70	2590562.66
613570.28	2590577.64
613606.59	2590601.16
613643.13	2590630.28
613672.09	2590661.67
613701.36	2590690.08
613704.92	2590694.72
613717.34	2590717.08
613740.77	2590748.04
613762.32	2590774.76
613787.75	2590805.28
613814.95	2590831.66
613839.33	2590850.15

Litchfield Beach/Huntington Beach State Park Setback Line

610945.85	2588055.15
610968.44	2588077.74
610970.41	2588080.03
610992.13	2588109.56
611008.09	2588130.31
611021.19	2588141.10
611044.10	2588163.01
611073.02	2588190.24
611091.48	2588204.50
611112.92	2588226.59
611142.31	2588257.71
611170.47	2588284.16
611192.07	2588303.17
611222.18	2588334.08
611241.98	2588350.58
611273.93	2588374.76
611296.92	2588394.91
611326.26	2588425.05
611356.14	2588450.67
611384.52	2588476.37
611415.41	2588507.23
611447.31	2588535.68
611488.84	2588575.43
611518.70	2588603.58
611550.31	2588628.36
611581.75	2588659.58
611620.43	2588697.41
611662.20	2588732.36
611735.09	2588786.39
611777.81	2588811.16
611806.48	2588833.82
611839.96	2588868.88
611877.69	2588912.71
611904.24	2588939.27
611932.42	2588968.32
611956.05	2588992.83
611981.62	2589021.03
612002.39	2589042.66
612031.72	2589075.53
612056.18	2589106.90
612081.38	2589131.26
612108.28	2589157.29
612139.26	2589185.70
612162.58	2589205.56
612186.51	2589234.68
612202.08	2589251.07
612212.05	2589260.21
612241.73	2589290.73
612261.87	2589314.46
612273.62	2589331.11
612294.99	2589348.52
612321.13	2589369.43
612333.56	2589380.84
612352.45	2589398.87
612379.79	2589421.08
612402.56	2589441.98
612422.97	2589465.00



Litchfield Beach/Huntington Beach State Park Setback Line

613859.53	2590867.55
613884.26	2590898.34
613907.67	2590922.56
613931.59	2590939.88
613934.00	2590941.94
613957.59	2590965.53
613985.41	2590993.35
614007.98	2591015.05
614028.93	2591035.13
614052.10	2591063.60
614080.80	2591094.82
614100.54	2591112.92
614123.49	2591130.77
614151.99	2591159.88
614175.47	2591175.27
614177.59	2591176.99
614200.79	2591198.27
614222.63	2591220.96
614253.77	2591254.69
614282.22	2591280.63
614315.35	2591306.12
614345.65	2591327.76
614347.86	2591329.63
614383.81	2591364.67
614386.40	2591367.76
614404.63	2591394.67
614423.73	2591421.58
614448.80	2591459.57
614473.06	2591474.74
614502.67	2591495.34
614533.19	2591516.27
614561.19	2591540.37
614590.15	2591572.80
614608.93	2591601.84
614632.22	2591622.72
614658.10	2591647.69
614682.67	2591672.26
614704.37	2591693.09
614723.08	2591714.49
614744.61	2591748.64
614765.03	2591775.86
614785.06	2591802.30
614801.74	2591814.44
614843.62	2591843.75

END

□

1. Introduction
2. Methodology

The first part of the study is devoted to the description of the experimental setup and the results of the measurements.

**Appendix 2
Monument Descriptions**

This appendix contains descriptions of all OCRM beach survey monuments in the area.

DATE : JULY 1981

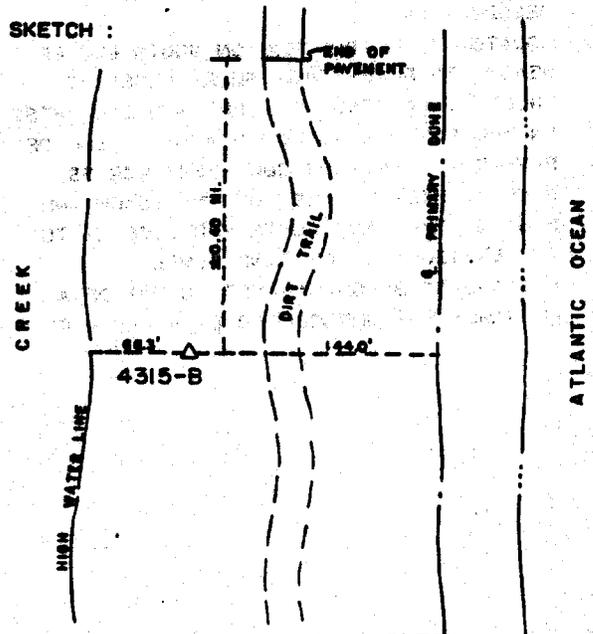
**SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
LITCHFIELD**

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4315 B 1890
 STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°03'00"E SCALE FACTOR : 0.9998007
 NORTHING : 595,068.31 FEET LAT : 33°27'15"59848
 EASTING : 2,577,842.39 FEET LONG : 79°06'20"72061
 ELEVATION (NGVD 29) 10.83 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4300 B	206°45'38"21	S 25°42'38"W	2202.14 FEET
4330 B	024°36'03"70	N 23°35'03"E	3730.41 FEET

DESCRIPTION :
 LOCATED IN LITCHFIELD ON SOUTH END OF BEACH. TO REACH FROM GUARD HOUSE AT INLET POINT CONDO'S, CONTINUE SOUTHWEST ON THE PAVED ROAD FOR 0.4 MI TO END OF PAVEMENT, CONTINUE SOUTHWEST ACROSS COUNTY, KEEPING WEST OF THE BEACH AND EAST OF THE SAND DUNES FOR 0.4 MI TO THE STATION ON THE RIGHT, EAST OF A CREEK AND ON A LOW SAND DUNE. A STANDARD BRASS CAP SET ON TOP OF A ALUMINUM ROD ENCASED IN 4" PVC PIPE.

SKETCH :



DATE : JULY 1991

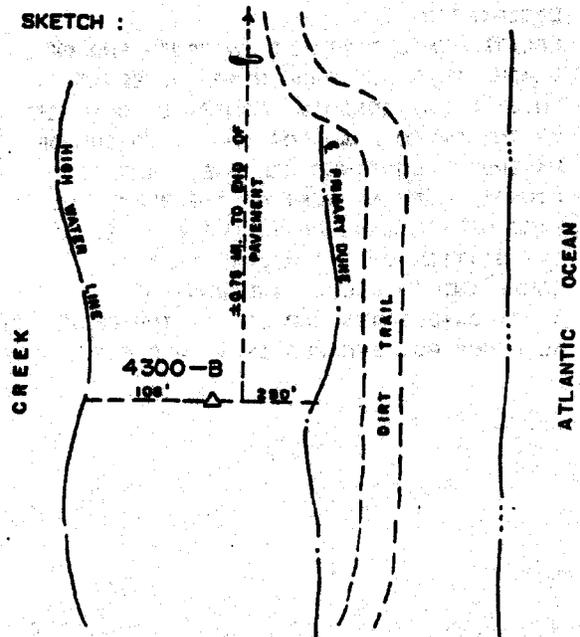
**SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
LITCHFIELD**

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. SCCC 4300 B 1990
 STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°02'54"1 SCALE FACTOR : 0.9998010
 NORTHING : 593,084.59 FEET LAT : 33°26'58"14559
 EASTING : 2,576,697.23 FEET LONG : 79°08'32"42253
 ELEVATION (NGVD 29) 9.46 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4295 B	209°48'12"98	S 28°45'26"W	2340.41 FEET
4315 B	026°45'32"72	N 25°42'39"E	2202.14 FEET

DESCRIPTION :
 LOCATED IN LITCHFIELD ON SOUTH END OF BEACH, TO REACH FROM GUARD HOUSE AT INLET POINT CONDO'S, CONTINUE SOUTHWEST ON THE PAVED ROAD FOR 0.4 MI TO END OF PAVEMENT, CONTINUE SOUTHWEST ACROSS COUNTY, KEEPING WEST OF THE BEACH AND EAST OF THE SAND DUNES FOR 0.75 MI TO THE STATION ON LOW SAND DUNES. A STANDARD BRASS CAP SET ON TOP OF AN ALUMINUM ROD SURROUNDED BY A PVC PIPE.

SKETCH :



DATE: JUNE 30, 2000

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS LITCHFIELD BEACH

PROJECT: SCCC SURVEY MONUMENTATION

STATION NO.: SCCC 4315 D

STATE: SOUTH CAROLINA COUNTY: GEORGETOWN

NAD 83 - SINGLE ZONE SPC - CONVERGENCE: 01° 02' 59" SCALE FACTOR: 0.999800771

NORTHING: 594,438.44 FEET LAT: 33° 27' 09.41528" (N)

EASTING: 2,577,375.27 FEET LONG: 79° 06' 24.00958" (W)

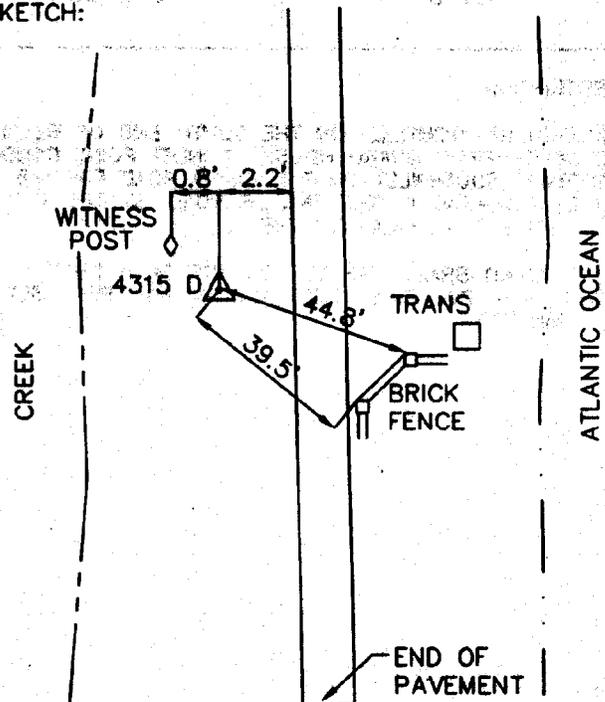
ELEVATION (NGVD 29) 9.18 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4300 B	207° 59' 23"	S 26° 58' 24" W	1518.66 FEET
4330 B	24° 30' 43"	N 23° 27' 44" E	4413.67 FEET

DESCRIPTION:

LOCATED IN SOUTH LITCHFIELD ON THE SOUTH END OF THE BEACH. TO REACH THE STATION FROM THE GARD HOUSE AT INLET POINT CONDOMINIUMS CONTINUE SOUTHWEST ON THE PAVED ROAD FOR 0.76 MILES, STATION IS ON THE RIGHT. A STANDARD PRE-FAB BREAKAWAY PVC PIPE WITH A SCCC ALUMINUM DISK ATTACHED AND ENCASED IN A 5" PVC PIPE PROJECTING 0.10 FEET ABOVE THE GROUND.

SKETCH:



DATE: JULY, 1996

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS LITCHFIELD

PROJECT: SCCC SURVEY MONUMENTATION

STATION NO.: SCCC 4315-C 1996

STATE: SOUTH CAROLINA COUNTY: GEORGETOWN

NAD 83 - SINGLE ZONE SPC - CONVERGENCE: 1°03'00.6"

SCALE FACTOR: 0.9998003

NORTHING: 594,436.03 FEET

LAT: 33°27'09.38375"

EASTING: 2,577,417.75 FEET

LONG: 79°05'23.50875"

ELEVATION (NGVD 29): 10.40 FEET

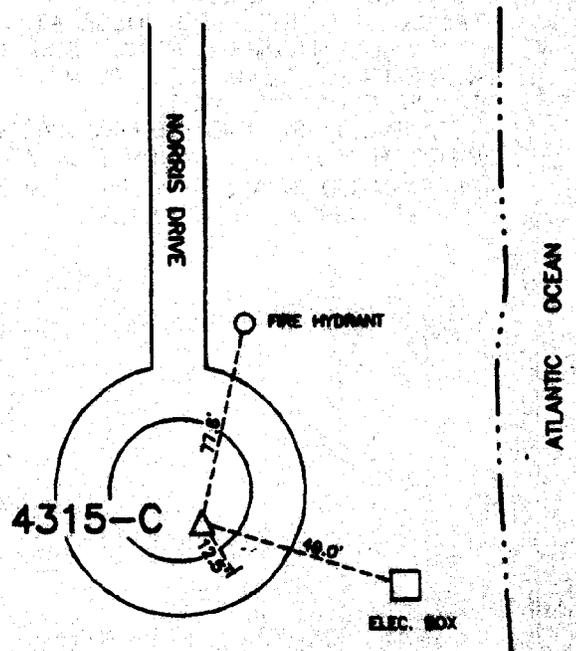
OBJECT	GEODETIC AZIMUTH	GRID BEARING	HORIZONTAL DISTANCE
4300-B	209°26'35"	S 28°23'36" W	1536.56 FEET
4330-B	23°59'32"	N 22°56'33" E	4400.17 FEET

DESCRIPTION:

LOCATED IN LITCHFIELD ON THE SOUTH END OF BEACH, TO REACH FROM GUARD HOUSE AT INLET POINT CONDO'S, CONTINUE SOUTHWEST ON THE PAVED ROAD FOR 0.8 MI. TO CUL-DE-SAC AT THE END OF ROAD, STATION IS IN CUL-DE-SAC AT PALMETTO TREES.

A STANDARD BRASS CAP SET ON TOP OF A 2-FT. LONG 2-IN. PVC PIPE INSIDE A 6-IN. PVC PIPE, SET IN CONCRETE.

SKETCH:



DATE: DEC. 1998

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT
CONTROL SURVEYS
SURFSIDE BEACH**

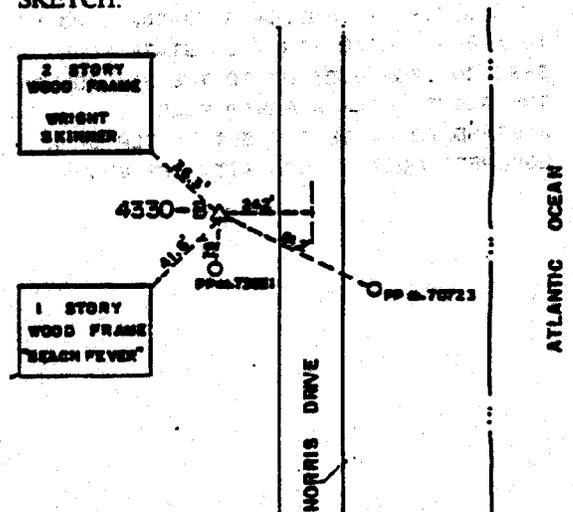
PROJECT: OCRM BEACH MONUMENTATION STATION NO.: 4330-B
 STATE: SOUTH CAROLINA COUNTY: GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGENCE: -1°-03'-10.8" SCALE FACTOR: 0.9998001
 NORTHING: 598487.21 FEET LAT: N. 33°-27'-49.15277"
 EASTING: 2579132.54 FEET LONG: W. 79°-06'-02.39120"
 ELEVATION (NGVD 29): 9.21 FEET

OBJECT (GPS)	GEODETTIC AZIMUTH	GRID BEARING	GRID DISTANCE
4275B	29°-33'-00"	S. 28°-29'-49" W.	13051.27 FEET
4285B	208°-11'-49"	N. 27°-08'-38" E.	10821.98 FEET

DESCRIPTION:

LOCATED IN LITCHFIELD ON SOUTH END OF BEACH. TO REACH FROM JUNCTION OF US HIGHWAY 17 AND S-22-302, FOLLOW S-22-302 0.40 MILES TO A FORK, BEAR RIGHT ON STATE ROAD S-22-302 FOR 0.55 MILES TO THE STATION ON THE RIGHT, NEAR POWER POLE. A STANDARD BRASS CAP SET ON TOP OF A CONCRETE POST, FLUSH WITH THE GROUND.

SKETCH:



DATE : JULY 1991

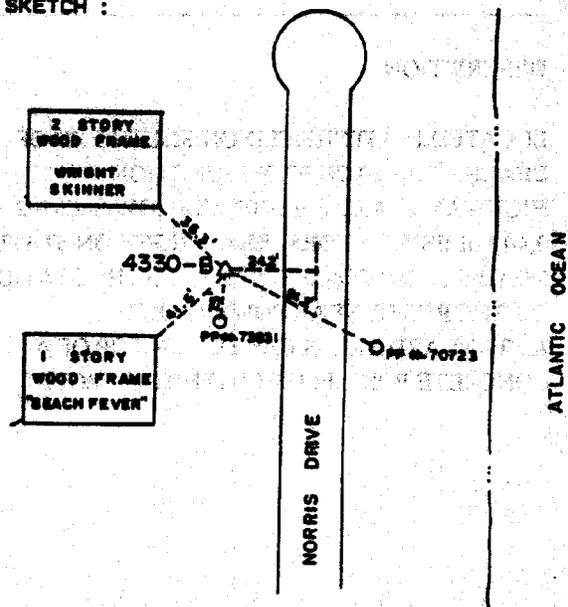
SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS LITCHFIELD

PROJECT : SCCC SURVEY MONUMENTATION STATION NO : SCCC 4330 B 1990
STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°03'10"R SCALE FACTOR : 0.9998001
NORTHING : 598,487.32 FEET LAT : 33°27'49".15378
EASTING : 2,579,132.63 FEET LONG : 79°06'02".39008
ELEVATION (NGVD 29) 9.22 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4315 B	204°36'13".86	S 23°33'03"W	3730.41 FEET
4360 B	031°38'36".49	N 30°33'26"E	1777.93 FEET

DESCRIPTION :
LOCATED IN LITCHFIELD ON SOUTH END OF BEACH. TO REACH FROM JUNCTION OF HWY. 17 & S-22-302, FOLLOW S-22-302 0.40 MI TO A FORK, BEAR RIGHT ON STATE ROAD S-22-302 FOR 0.95 MI TO THE STATION ON THE RIGHT, NEAR A POWER POLE. A STANDARD BRASS CAP SET ON TOP OF A CONCRETE POST, FLUSH WITH THE GROUND.

SKETCH :



DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS LITCHFIELD

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4390 B 1990

STATE : SOUTH CAROLINA COUNTY : GEORGETOWN

NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°03'24.7 SCALE FACTOR : 0.9997995

NORTHING : 602,167.71 FEET LAT : 33°28'25.18942

EASTING : 2,581,167.86 FEET LONG : 79°05'37.20958

ELEVATION (NGVD 29) 10.88 FEET

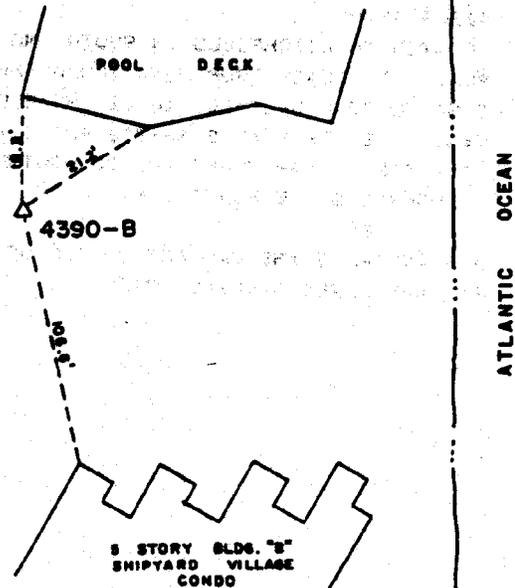
OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4360 B	209°26'31.55	S 28°23'07"W	2443.95 FEET
4395 B	094°36'51.91	N 33°33'27"E	1630.31 FEET

DESCRIPTION :

LOCATED IN LITCHFIELD BY-THE-SEA, TO REACH FROM SOUTH GUARD HOUSE, FOLLOW ENTRANCE ROAD 0.30 MI TO A FORK, BEAR RIGHT, SOUTHWEST, FOR 0.35 MI ON SOUTH DUNES DRIVE TO A FORK, BEAR LEFT FOR 0.09 MI TO SHIPYARD VILLAGE ROAD ON THE LEFT. TURN LEFT AND GO SOUTHEAST FOR 0.05 MI TO CIRCLE DRIVE IN FRONT OF BUILDING B, A FIVE STORY CONDO, TURN LEFT AND GO NORTHEAST FOR 0.05 MI TO THE NORTH CORNER OF A PARKING LOT AND THE STATION AHEAD ON THE LEFT.

A STANDARD BRASS CAP SET IN TOP OF A PREFABRICATED ALUMINUM PIPE SURROUNDED BY A PVC PIPE FLUSH WITH THE GROUND.

SKETCH :



DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS LITCHFIELD

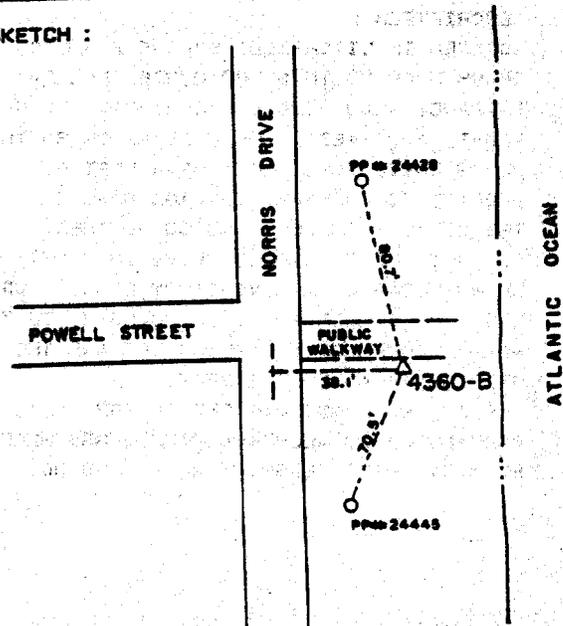
PROJECT : SCCC SURVEY MONUMENTATION STATION NO. SCCC 4360 B 1990
 STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°03'18"9 SCALE FACTOR : 0.9997995
 NORTHING : 600018.03 FEET LAT : 33°28'04"13336
 EASTING : 2,580,036.34 FEET LONG : 79°05'51"39002
 ELEVATION (NGVD 29) 9.26 FEET

OBJECT	GEODETTIC AZIMUTH	GRID BEARING	GRID DISTANCE
4330 B	211°36'42"59	S 30°33'28"W	1777.93 FEET
4390 B	029°26'23"68	N 28°23'07"E	2443.95 FEET

DESCRIPTION :

LOCATED IN LITCHFIELD ON SOUTH END OF BEACH. TO REACH FROM JUNCTION OF HWY. 17 & STATE ROAD S-22-302 IN LITCHFIELD. GO EAST ON STATE ROAD S-22-302 FOR 0.4 MI TO A FORK, BEAR RIGHT AND GO SOUTHWEST ON NORRIS DRIVE FOR 0.2 MI TO THE STATION ON THE LEFT.
 A STANDARD BRASS CAP SET ON TOP OF A PREFABRICATED ALUMINUM PIPE.

SKETCH :



DATE : NOVEMBER 1998

**SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
LITCHFIELD**

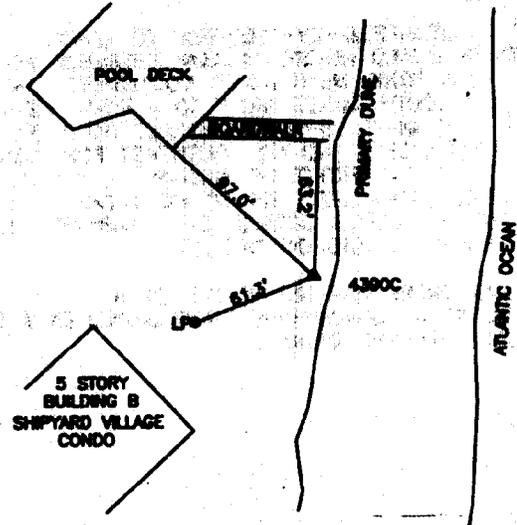
PROJECT : SCCC SURVEY CONTROL STATION NO. : SCCC 4390 C 1998
 STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
 NAD 83-SINGLE ZONE SPC-CONVERGANCE : 1°03'25.94" SCALE FACTOR : 0.9997994
 NORTHING : 602,050.23 FEET LAT : 32°28'24.0047"
 EASTING : 2,581,380.65 FEET LONG : 79°05'35.0172"
 ELEVATION (NGVD '29) 17.31 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4360B	214°32'31.25"	S33°29'05.31"W	2436.60 FEET
4395	26°57'04.34"	N25°53'38.40"E	1643.38 FEET

DESCRIPTION :

LOCATED IN LITCHFIELD BY THE SEA, TO REACH FROM SOUTH GUARD HOUSE, FOLLOW ENTRANCE ROAD 0.30 MI. TO A FORK, BEAR LEFT FOR 0.09 MI. TO SHIPYARD VILLAGE ROAD ON THE LEFT. TURN LEFT AND GO SOUTHEAST FOR 0.05 MI. TO A CIRCLE DRIVE IN FRONT OF BUILDING B, A 5 STORY CONDO. TURN LEFT AND GO NORTH EAST FOR 0.05 MI. TO THE NORTH CORNER OF THE PARKING LOT AND THE STATION IS AHEAD ON THE LEFT. A STANDARD ALUMINUM CAP ATTACHED AND ENCASED IN A 6" PVC PIPE PROJECTING 6" ABOVE GRADE.

SKETCH :



DATE: APRIL 1995

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS LITCHFIELD

PROJECT: SCCC SURVEY MONUMENTATION

STATION NO.: SCCC 4390 B 1990

STATE: SOUTH CAROLINA COUNTY: GEORGETOWN

NAD 83 - SINGLE ZONE SPC - CONVERGENCE: 1°03'24.7"

SCALE FACTOR: 0.9997995

NORTHING: 802,167.71 FEET

LONG: 33°28'25.18942"

EASTING: 2,581,197.86 FEET

LAT: 78°05'37.20958"

ELEVATION (NGVD 29): 10.68 FEET

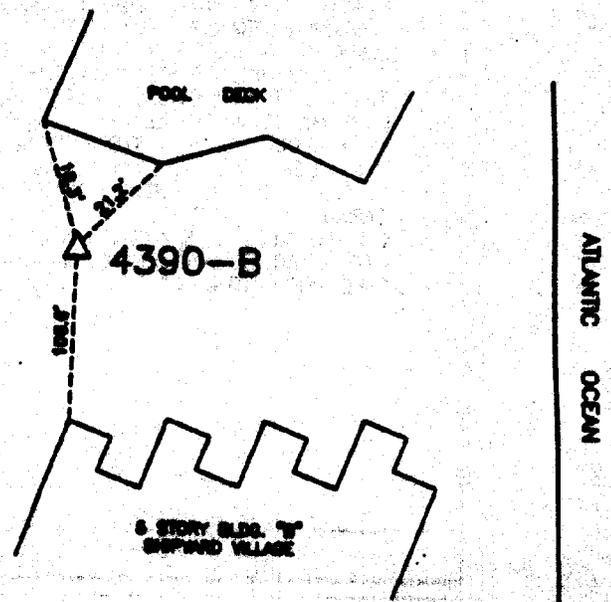
OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4360 B	208°28'32"	S 28°23'07"W	2443.95 FEET
4395 C	034°32'43"	N 33°29'18"E	1631.93 FEET

DESCRIPTION:

LOCATED IN LITCHFIELD-BY-THE-SEA, TO REACH FROM SOUTH GUARD HOUSE, FOLLOW ENTRANCE ROAD 0.30 MI. TO A FORK, BEAR RIGHT, SOUTHWEST, FOR 0.35 MI. ON SOUTH DUNES DRIVE TO A FORK, BEAR LEFT FOR 0.09 MI. TO SHIPYARD VILLAGE ROAD ON THE LEFT. TURN LEFT AND GO SOUTHEAST FOR 0.05 MI. TO CIRCLE DRIVE IN FRONT OF BUILDING B, A FIVE STORY CONDO, TURN LEFT AND GO NORTHEAST FOR 0.05 MI. TO THE NORTH CORNER OF A PARKING LOT AND THE STATION AHEAD ON THE LEFT.

A STANDARD BRASS CAP SET IN TOP OF A PREFABRICATED ALUMINUM PIPE SURROUNDED BY A PVC PIPE FLUSH WITH THE GROUND.

SKETCH:



DATE: MARCH, 1995

SOUTH CAROLINA COASTAL COUNCIL

CONTROL SURVEYS

LITCHFIELD

PROJECT: SCCC SURVEY MONUMENTATION

STATION NO.: SCCC 4395 C 1995

STATE: SOUTH CAROLINA COUNTY: GEORGETOWN

NAD 83 - SINGLE ZONE SPC - CONVERGENCE: 1'03'30.8"

SCALE FACTOR: 0.9997992

NORTHING: 803,528.74 FEET

LONG: 33°28'38.48019"

EASTING: 2,582,098.40 FEET

LAT: 79°05'26.28264"

ELEVATION (NGVD 29): 9.82 FEET

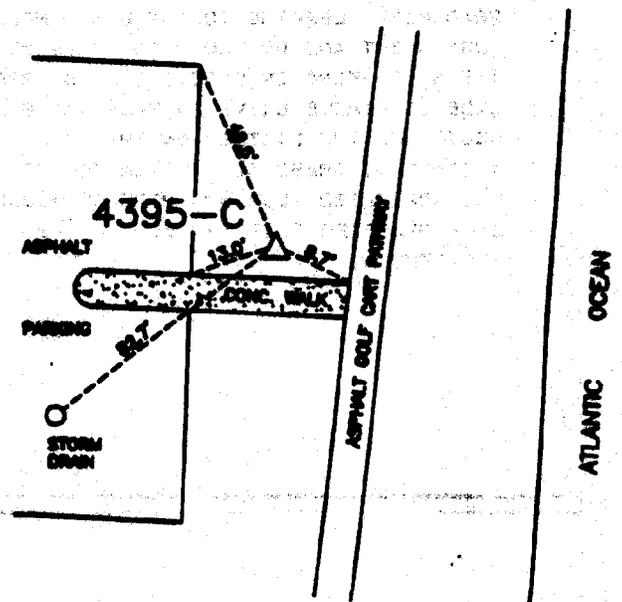
OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4399 B	214°32'48"	S 33°29'18"W	1631.93 FEET
4400 B	033°34'14"	N 32°30'44"E	2178.77 FEET

DESCRIPTION:

LOCATED IN LITCHFIELD-BY-THE-SEA. TO REACH FROM SOUTH GUARD HOUSE, FOLLOW ENTRANCE ROAD 0.35 MI. TO TENNIS COURTS. TURN LEFT AND GO EAST FOR 0.05 MI. TO A ROAD RIGHT LEADING TO THE BEACH HOUSE. TURN RIGHT AND GO SOUTH FOR 0.08 MI. TO THE NO PARKING ON CIRCLE SIGN ON RIGHT SIDE OF CIRCLE DRIVE IN FRONT OF BEACH HOUSE AND THE STATION ON THE RIGHT.

A STANDARD BRASS CAP SET ON TOP OF A 2' LONG 2" PVC PIPE INSIDE A 6" PVC PIPE SURROUNDED BY CONCRETE.

SKETCH:



DATE : JULY 1991

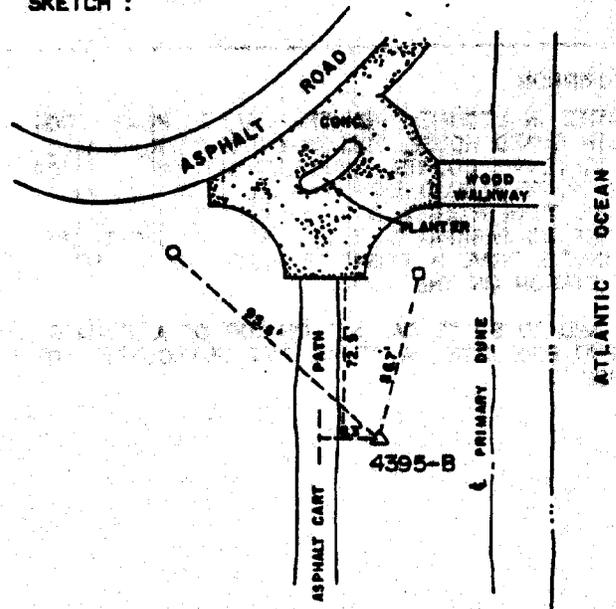
SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS LITCHFIELD

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4395 B 1990
 STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°03'30".8 SCALE FACTOR : 0.9997892
 NORTHING : 603,526.03 FEET LAT : 33°28'38".46330
 EASTING : 2,582,098.97 FEET LONG : 79°05'26".27853
 ELEVATION (NGVD 29) 10.67 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4390 B	214°36'57".97	S 33°33'27"W	1530.31 FEET
4490 B	033°31'11".37	N 32°27'41"E	2182.19 FEET

DESCRIPTION :
 LOCATED IN LITCHFIELD BY-THE-SEA, TO REACH FROM SOUTH GUARD HOUSE. FOLLOW ENTRANCE ROAD 0.35 MI TO TENNIS COURTS. TURN LEFT AND GO EAST FOR 0.05 MI TO A ROAD RIGHT LEADING TO THE BEACH HOUSE. TURN RIGHT AND GO SOUTH FOR 0.09 MI TO THE NO PARKING ON CIRCLE SIGN ON RIGHT SIDE OF CIRCLE DRIVE IN FRONT OF BEACH HOUSE AND THE STATION ON THE RIGHT. A STANDARD BRASS CAP SET IN TOP OF A PREFABRICATED ALUMINUM PIPE SURROUNDED BY A PVC PIPE THAT PROJECTS 4" ABOVE THE GROUND.

SKETCH :



DATE: MARCH, 1995

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS LITCHFIELD

PROJECT: SCCC SURVEY MONUMENTATION

STATION NO.: SCCC 4400 B 1990

STATE: SOUTH CAROLINA COUNTY: GEORGETOWN

NAD 83 - SINGLE ZONE SPC - CONVERGENCE: 1'03'38.7"

SCALE FACTOR: 0.9997290

NORTHING: 805,368.89 FEET

LONG: 33°28'56.46151"

EASTING: 2,583,289.98 FEET

LAT: 79°05'12.04939"

ELEVATION (NGVD 29): 13.84 FEET

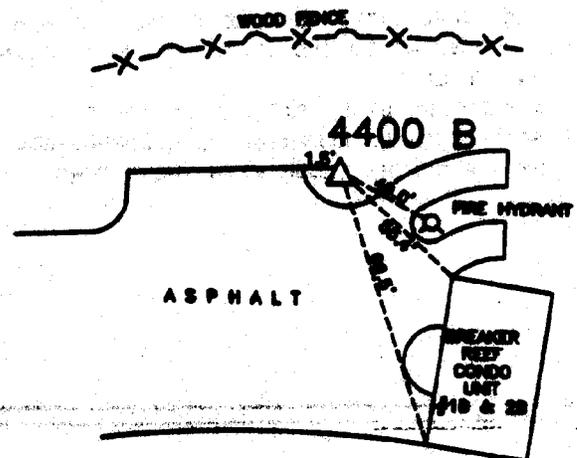
OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4395 C	213°34'22"	S 32°30'44"W	2179.77 FEET
4430-B	036°15'43"	N 35°12'04"E	1694.52 FEET

DESCRIPTION:

LOCATED IN LITCHFIELD-BY-THE-SEA. TO REACH FROM THE SOUTH GUARD HOUSE, FOLLOW ENTRANCE ROAD 0.35 MI. TO THE TENNIS COURTS, TURN LEFT AND GO NORTHEAST FOR 0.25 MI. TO A TRAFFIC CIRCLE, BEAR RIGHT AND GO NORTHEAST FOR 0.08 MI. TO THE GATE FOR BREAKERS REEF HOUSING COMPLEX. PASS THRU GATE, TURN LEFT AND GO NORTH FOR 0.16 MI. TO END OF DRIVE AND STATION ON THE LEFT.

A STANDARD BRASS CAP SET IN TOP OF A PREFABRICATED ALUMINUM PIPE SURROUNDED BY A PVC PIPE FLUSH WITH THE GROUND.

SKETCH:



DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS LITCHFIELD

PROJECT : SCCC SURVEY MONUMENTATION

STATION NO. : SCCC 4400 B 1990

STATE : SOUTH CAROLINA COUNTY : GEORGETOWN

NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°03'38".7 SCALE FACTOR : 0.9997990

NORTHING : 605,366.89 FEET LAT : 33°28'56".46151

EASTING : 2,583,269.98 FEET LONG : 79°05'12".04939

ELEVATION (NGVD 29) 13.94 FEET

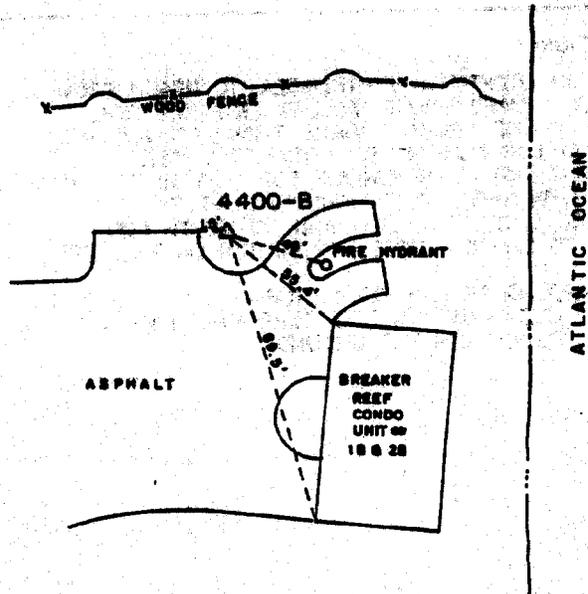
OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4395 B	213°31'19".26	S 32°27'41" W	2182.19 FEET
4430 B	036°15'42".57	N 35°12'04" E	1804.52 FEET

DESCRIPTION :

LOCATED IN LITCHFIELD BY-THE-SEA, TO REACH FROM THE SOUTH GUARD HOUSE, FOLLOW ENTRANCE ROAD 0.35 MI TO THE TENNIS COURTS, TURN LEFT AND GO NORTHEAST FOR 0.25 MI TO A TRAFFIC CIRCLE. BEAR RIGHT AND GO NORTHEAST FOR 0.09 MI TO THE GATE FOR BREAKERS REEF HOUSING COMPLEX. PASS THRU GATE, TURN LEFT AND GO NORTH FOR 0.16 MI TO END OF DRIVE AND STATION ON THE LEFT.

A STANDARD BRASS CAP SET IN TOP OF A PREFABRICATED ALUMINUM PIPE SURROUNDED BY A PVC PIPE FLUSH WITH THE GROUND.

SKETCH :



DATE: DEC. 1998

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT
CONTROL SURVEYS
SURFSIDE BEACH**

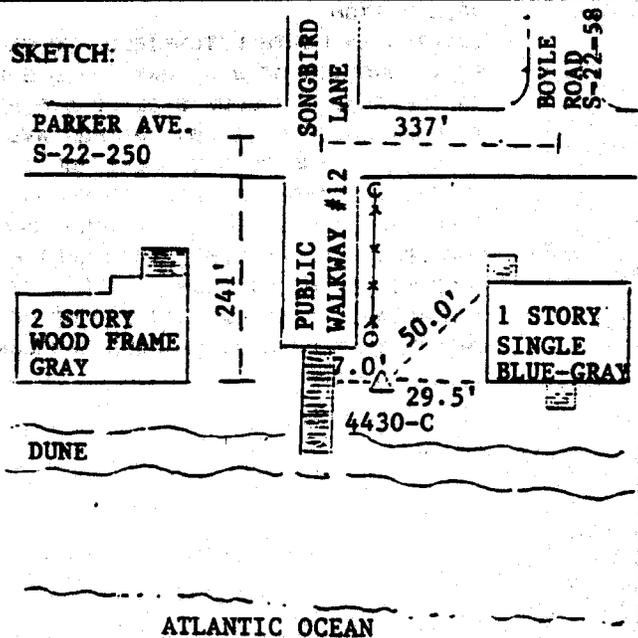
PROJECT: OCRM BEACH MONUMENTATION STATION NO.: 4430-C
 STATE: SOUTH CAROLINA COUNTY: GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGENCE: +1°-03'-45.3" SCALE FACTOR: 0.9997988
 NORTHING: 606633.38 FEET LAT : N. 33°-29'-08.80915"
 EASTING: 2584264.28 FEET LONG : W. 79°-05'-00.03289"
 ELEVATION (NGVD 29): 6.79 FEET

OBJECT (GPS)	GEODETTIC AZIMUTH	GRID BEARING	GRID DISTANCE
4275B	31°-07'-16"	S. 30°-03'-31" W.	22669.463 FEET
4285B	30°-34'-39"	S. 29°-30'-54" W.	20431.893 FEET

DESCRIPTION:

LOCATED IN NORTH LITCHFIELD BEACH. TO REACH FROM THE JUNCTION OF US HIGHWAY 17 AND BOYLE ROAD 0.5 MILES TO THE JUNCTION OF PARKER AVENUE (S-22-250), TURN RIGHT FOR 0.075 MILES TO THE JUNCTION OF SONGBIRD LANE ON THE RIGHT AND BEACH ACCESS #12 ON THE LEFT, TURN LEFT ON BEACH ACCESS ROAD FOR 241 FEET TO THE STAIRS FOR THE DUNE CROSSOVER. THE STATION IS LOCATED ON THE NORTH SIDE OF THE STAIRS AND THE EAST SIDE OF A WOOD FENCE ADJACENT TO THE STAIRS. THE STATION IS ALUMINUM DISK FIXED INSIDE A 6" PVC PIPE STAMPED 4430-C 1998.

SKETCH:



ATLANTIC OCEAN

DATE : JULY 1991

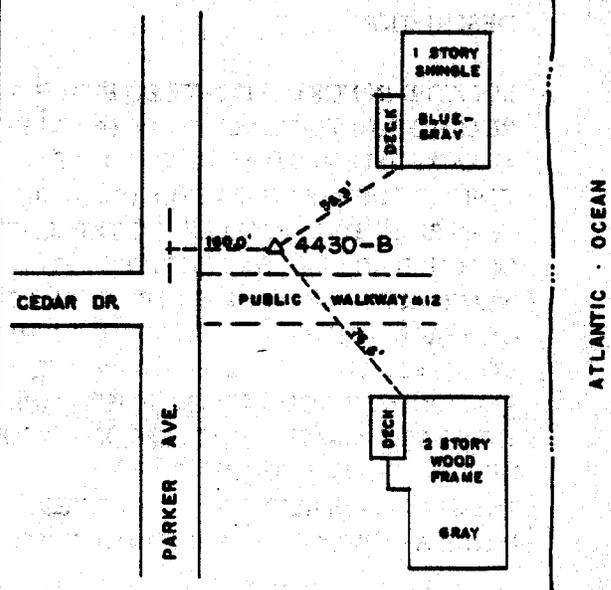
SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS LITCHFIELD

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4430 B 1990
 STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°03'44".9 SCALE FACTOR : 0.9997988
 NORTHING : 606,577.74 FEET LAT : 33°29'09".28076
 EASTING : 2,584,194.72 FEET LONG : 79°05'00".84446
 ELEVATION (NGVD 29) 6.30 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4400 B	216°15'48".78	S 35°12'04".W	1604.52 FEET
4490 B	039°56'43".85	N 38°52'59".E	2027.33 FEET

DESCRIPTION :
 LOCATED IN NORTH LITCHFIELD. TO REACH FROM JUNCTION OF U.S. HWY. 17 & S-22-98 (BOYLE ROAD), FOLLOW S-22-98 0.5 MI TO T-JUNCTION OF S-22-250 (PARKER AVE.). TURN RIGHT AND GO SOUTHWEST FOR 0.08 MI TO THE JUNCTION OF CEDAR DRIVE ON THE RIGHT AND ACCESS ROAD TO BEACH CROSSOVER NUMBER 12 ON THE LEFT. TURN LEFT FOR 0.03 MI TO THE STATION ON THE LEFT. A STANDARD BRASS CAP SET IN TOP OF A PREFABRICATED ALUMINUM PIPE SURROUNDED BY A PVC PIPE.

SKETCH :



DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS LITCHFIELD

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4495-B 1990

STATE : SOUTH CAROLINA COUNTY : GEORGETOWN

NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1'04'00"E SCALE FACTOR : 0.9997883

NORTHING : 809,533.81 FEET LAT : 33°29'37"07910

EASTING : 2,588,376.77 FEET LONG : 79°04'32"09169

ELEVATION (NGVD 29) 12.44 FEET

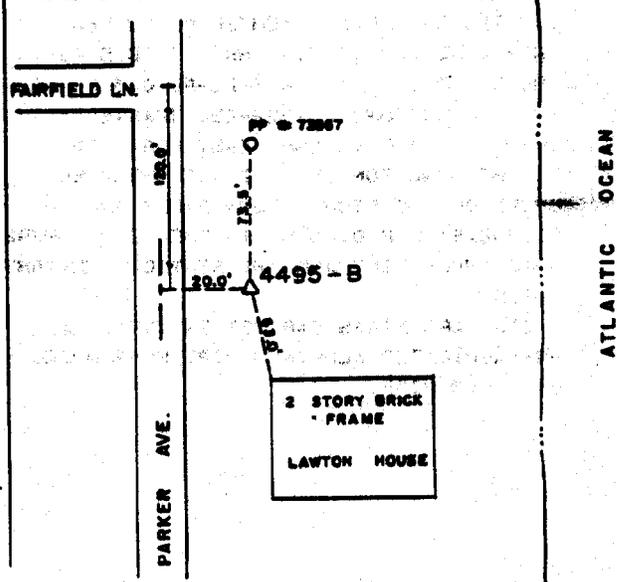
OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4490 B	222°01'44"29	S 40°57'44"W	1693.07 FEET
4500 B	046°35'02"72	N 45°31'02"E	1756.75 FEET

DESCRIPTION :

LOCATED IN NORTH LITCHFIELD. TO REACH FROM JUNCTION OF U.S. HWY. 17 & S-22-98 (BOYLE ROAD). FOLLOW S-22-98 0.5 MI TO THE T-JUNCTION OF S-22-250 (PARKER AVE.). TURN LEFT AND GO NORTHEAST FOR 0.30 MI TO THE JUNCTION OF S-22-457 (SEAVIEW LOOP) ON THE RIGHT. CONTINUE AHEAD FOR 0.40 MI TO THE STATION ON THE RIGHT AT THE NORTH CORNER OF LAWN IN FRONT OF THE LAWTON HOUSE.

A STANDARD BRASS CAP SET IN TOP OF A PREFABRICATED ALUMINUM PIPE SURROUNDED BY A PVC PIPE.

SKETCH :



DATE : JULY 1991

**SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
LITCHFIELD**

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4490-B-1890

STATE : SOUTH CAROLINA COUNTY : GEORGETOWN

NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°03'53".4 SCALE FACTOR : 0.9997985

NORTHING : 608,255.85 FEET LAT : 33°29'24".63705

EASTING : 2,585,467.08 FEET LONG : 79°04'45".47542

ELEVATION (NGVD 29) 8.89 FEET

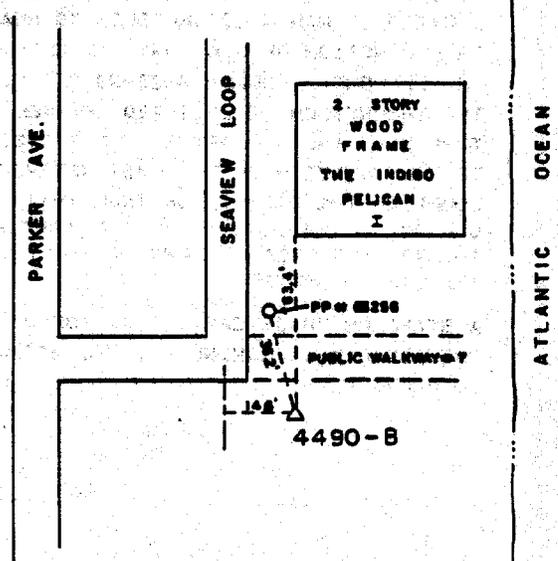
OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4430 B	219°56'52".37	S 38°52'59"W	2027.33 FEET
4495 B	042°01'36".87	N 40°57'44"E	1893.07 FEET

DESCRIPTION :

LOCATED IN NORTH LITCHFIELD, TO REACH FROM JUNCTION OF U.S. HWY. 17 & S-22-98 (BOYLE ROAD), FOLLOW S-22-98 0.5 MI TO THE T-JUNCTION OF S-22-250 (PARKER AVE.). TURN LEFT AND GO NORTHEAST FOR 0.30 MI TO THE JUNCTION OF S-22-457 (SEAVIEW LOOP) ON THE RIGHT. TURN RIGHT AND GO SOUTHEAST FOR 0.05 MI TO THE POINT WHERE ROAD TURNS LEFT AND THE STATION STRAIGHT AHEAD.

A STANDARD BRASS CAP SET IN TOP OF A PREFABRICATED ALUMINUM PIPE SURROUNDED BY A PVC PIPE.

SKETCH :



DATE : JULY 1991

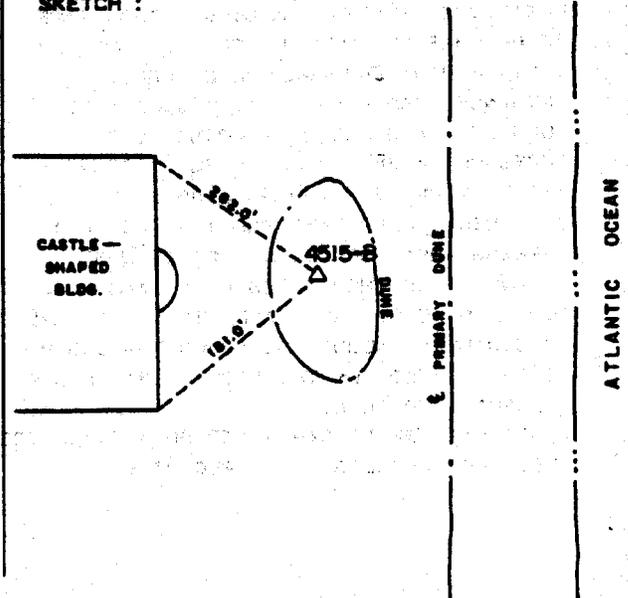
**SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
HUNTINGTON BEACH**

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4515 B 1990
 STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°04'17".8 SCALE FACTOR : 0.9997979
 NORTHING : 612,293.58 FEET LAT : 33°30'03".91326
 EASTING : 2,589,118.45 FEET LONG : 79°04'01".46999
 ELEVATION (NGVD 29) 11.33 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4500 B	221°11'33".92	S 40°07'16"W	2000.01 FEET
4525 B	047°03'12".72	N 45°58'55"E	1820.89 FEET

DESCRIPTION :
 LOCATED IN HUNTINGTON BEACH STATE PARK, TO REACH FROM JUNCTION OF U.S. HWY. 17 STATE PARK ENTRANCE ROAD, FOLLOW ENTRANCE ROAD 0.10 MI TO A GUARD HOUSE TURN LEFT AND FOLLOW WINDING ROAD, CROSSING CAUSEWAY, TO A SIGN (CAMPING AREA). KEEP RIGHT AND GO 0.05 MI TO A STOP SIGN, TURN RIGHT AND GO 0.4 MI TO A SINGLE LANE ROAD LEADING TO A CASTLE SHAPED BUILDING USED FOR STORAGE AREA. TURN LEFT AND GO SOUTHEAST FOR 0.05 MI TO A DIM TRAIL LEFT. TURN LEFT AND FOLLOW DIM TRAIL TO THE REAR OF BUILDING AND THE STATION ON A SMALL SAND HILL. A STANDARD BRASS CAP FIXED ON A STAINLESS STEEL ROD ENCASED IN 4" PVC PIPE.

SKETCH :



DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS HUNTINGTON BEACH

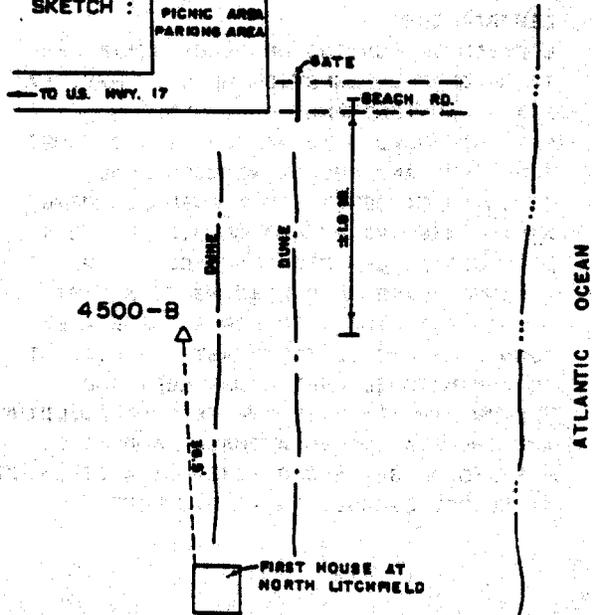
PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4500 B 1990
 STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°04'09".2 SCALE FACTOR : 0.9997982
 NORTHING : 810.764.51 FEET LAT : 33°29'49".02377
 EASTING : 2.587.829.89 FEET LONG : 79°04'17".02362
 ELEVATION (NGVD 29) 13.27 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4495 B	226°35'11".07	S 45°31'02"W	1756.75 FEET
4515 B	041°11'25".30	N 40°07'16"E	2000.01 FEET

DESCRIPTION :

LOCATED IN HUNTINGTON BEACH STATE PARK, TO REACH FROM JUNCTION OF U.S. HWY. 17 & STATE PARK ENTRANCE ROAD, FOLLOW ENTRANCE ROAD 0.10 MI TO A GUARD HOUSE. TURN LEFT AND FOLLOW WINDING ROAD, CROSSING CAUSEWAY, TO A SIGN (PICNIC AREA). TURN LEFT AND GO 0.05 MI TO A STOP SIGN, KEEP LEFT FOR 1.09 MI TO A PARKING AREA AND LOCKED GATES JUST BEYOND. PASS THRU GATES ON A SAND ROAD FOR 0.15 MI TO THE BEACH, TURN LEFT AND GO SOUTHWEST ALONG THE BEACH FOR 1.8 MI TO THE STATION ON THE RIGHT JUST BEYOND A LARGE SAND DUNE. A STANDARD BRASS CAP FIXED ON A STAINLESS STEEL ROD ENCASED IN 4" PVC PIPE.

SKETCH :



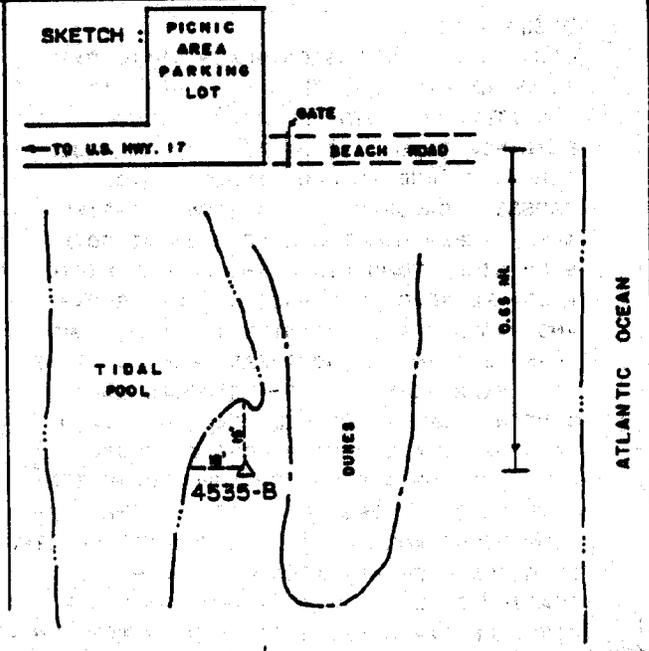
DATE : JULY 1991

**SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
HUNTINGTON BEACH**

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4535 1887
 STATE : SOUTH CAROLINA COUNTY : BERGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°04'36".6 SCALE FACTOR : 0.9997976
 NORTHING : 615,179.72 FEET LAT : 33°30'31".84542
 EASTING : 2,591,930.16 FEET LONG : 79°03'27".62583
 ELEVATION (NGVD 29) 5.55 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4525 B	223°54'11".84	S 42°49'35"W	2210.78 FEET
4545	050°29'28".65	N 49°24'52"E	2373.65 FEET

DESCRIPTION :
 LOCATED IN HUNTINGTON BEACH STATE PARK, TO REACH FROM JUNCTION OF U.S. HWY. 17 & STATE PARK ENTRANCE ROAD, FOLLOW ENTRANCE ROAD 0.10 MI TO A GUARD HOUSE, TURN LEFT AND FOLLOW WINDING ROAD, AND ACROSS CAUSEWAY FOR 1.0 MI TO A SIGN (PICNIC AREA). TURN LEFT AND GO FOR 0.05 MI TO A STOP SIGN AT JUNCTION OF ROAD, KEEP LEFT FOR 1.09 MI TO A PARKING AREA AND LOCKED GATES BEYOND, PASS THRU GATES ON SAND ROAD FOR 0.15 MI TO THE BEACH, TURN RIGHT AND GO SOUTH FOR 0.65 MI TO A SLOUGH THAT COVERS AT HIGH TIDE, CONTINUE FOR 0.05 MI THEN TURN RIGHT ACROSS SOME LOW SAND DUNES FOR 0.05 MI TO THE STATION ON TOP OF A DUNE.
 A STANDARD BRASS CAP SET ON TOP OF A 2-FT LONG 2-IN PVC PIPE INSIDE A 6-IN PVC PIPE SURROUNDED BY CONCRETE.



DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS HUNTINGTON BEACH

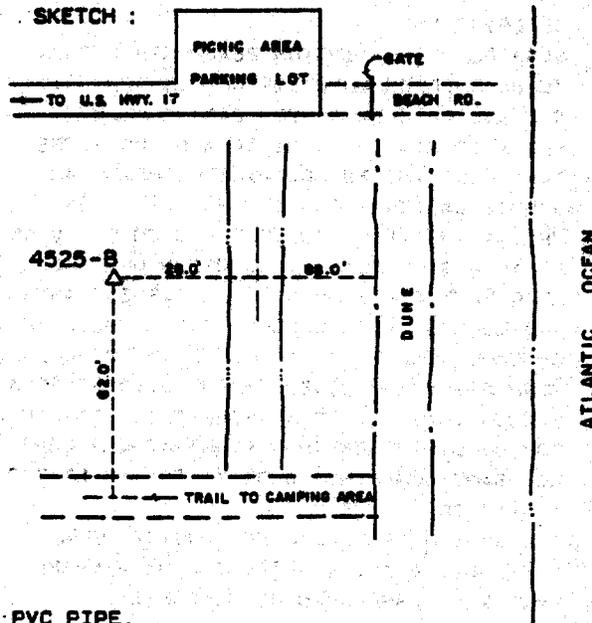
PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4525 B 1990
 STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°04'26".5 SCALE FACTOR : 0.9997978
 NORTHING : 613,558.83 FEET LAT : 33°30'16".18637
 EASTING : 2,590,427.82 FEET LONG : 79°03'45".72988
 ELEVATION (NGVD 29) 9.36 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4515 B	227°03'21".44	S 45°58'55" W	1820.89 FEET
4535	043°54'01".81	N 42°49'35" E	2210.78 FEET

DESCRIPTION :

LOCATED IN HUNTINGTON BEACH STATE PARK TO REACH FROM JUNCTION U.S. HWY. 17 & STATE PARK ENTRANCE ROAD, FOLLOW ENTRANCE ROAD 0.10 MI TO A GUARD HOUSE. TURN LEFT AND FOLLOW WINDING ROAD, CROSSING CAUSEWAY, TO A SIGN (CAMPING AREA). KEEP RIGHT AND GO 0.05 MI TO A STOP SIGN, TURN RIGHT AND GO 0.2 MI TO A GRAVEL ROAD JUST PAST A PHONE BOOTH AND PARKING AREA LEADING TO CAMPGROUND. TURN LEFT AND GO NORTHEAST FOR 0.05 MI TO A SIGN (CAMPING AREA CAMPERS ONLY), CONTINUE ON THE GRAVEL ROAD FOR 1.0 MI TO A DIM TRAIL JUST BEFORE CAMPSITE NUMBER 9 AND A SIGN (RESERVED CAMPSITE WITH HANDICAP EMBLEM ON IT) ON THE RIGHT. TURN RIGHT AND GO SOUTH-SOUTHEAST PASSING BY OUTDOOR SHOWER AREA FOR 1.0 MI TO STATION ON LEFT. A STANDARD BRASS CAP FIXED ON STAINLESS STEEL ROD ENCASED IN 4" PVC PIPE.

SKETCH :



DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS HUNTINGTON BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. SCCC 4555 B 1990

STATE : SOUTH CAROLINA COUNTY : GEORGETOWN

NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°04'58"4 SCALE FACTOR : 0.9997972

NORTHING : 518,344.42 FEET LAT : 33°31'02"61570

EASTING : 2,585,388.99 FEET LONG : 79°02'46"44824

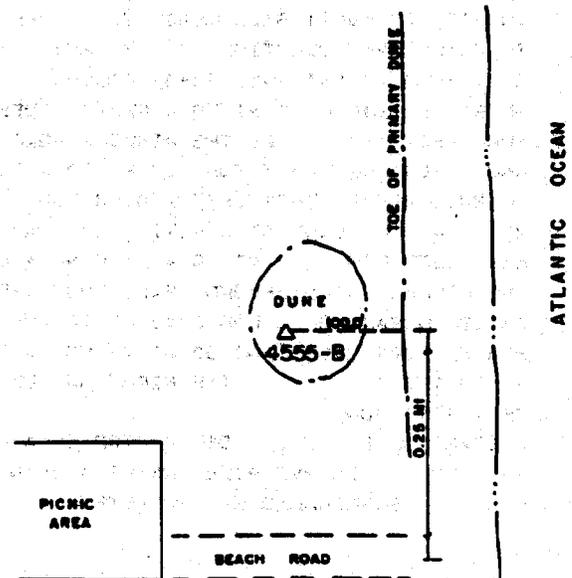
ELEVATION (NGVD 29) 9.72 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4545	226°09'01"49	S 45°04'02"W	2295.25 FEET
4565	034°59'32"35	N 33°54'33"E	1974.12 FEET

DESCRIPTION :

LOCATED IN HUNTINGTON BEACH STATE PARK, TO REACH FROM JUNCTION OF U.S. HWY. 17 & STATE PARK ENTRANCE ROAD, FOLLOW ENTRANCE ROAD 0.10 MI TO GUARD HOUSE, TURN LEFT AND FOLLOW WINDING ROAD, CROSSING CAUSEWAY, TO A SIGN (PICNIC AREA). TURN LEFT AND GO 0.05 MI TO A STOP SIGN, KEEP LEFT FOR 1.09 MI TO A PARKING AREA AND LOCKED GATES JUST BEYOND. PASS THRU THE GATES ON A SAND ROAD FOR 0.15 MI TO THE BEACH, TURN LEFT AND GO NORTHEAST ALONG THE BEACH FOR 0.25 MI TO THE STATION ON THE LEFT ON TOP OF A SMALL SAND DUNE. A STANDARD BRASS CAP FIXED ON A STAINLESS STEEL ROD ENCASED IN 4" PVC PIPE.

SKETCH :



DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS HUNTINGTON BEACH

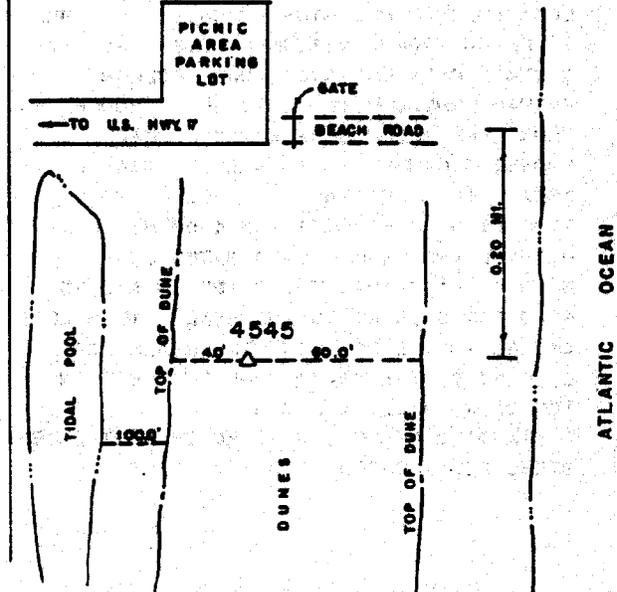
PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4545 1887
 STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°04'48"6 SCALE FACTOR : 0.9997974
 NORTHING : 616 723.86 FEET LAT : 33°30'46"88451
 EASTING : 2 593 732.43 FEET LONG : 79°03'05"89718
 ELEVATION (NGVD 29) 13.30 FEET

OBJECT	GEODETTIC AZIMUTH	GRID BEARING	GRID DISTANCE
4535	230°29'40"65	S 49°24'52"W	2373.65 FEET
4555 B	046°08'50"65	N 45°04'02"E	2295.25 FEET

DESCRIPTION :

LOCATED IN HUNTINGTON BEACH STATE PARK, TO REACH FROM JUNCTION OF U.S. HWY. 17 & STATE PARK ENTRANCE ROAD, FOLLOW ENTRANCE ROAD 0.10 MI TO A GUARD HOUSE, TURN LEFT AND FOLLOW THE WINDING ROAD, AND ACROSS CAUSEWAY FOR 1.0 MI TO A SIGN (PICNIC AREA). TURN LEFT AND GO FOR 0.05 MI TO A STOP SIGN AT JUNCTION OF ROAD, KEEP LEFT FOR 1.09 MI TO A PARKING AREA AND LOCKED GATES BEYOND, PASS THRU THE GATES ON SAND ROAD FOR 0.15 MI TO THE BEACH, TURN RIGHT AND GO SOUTH FOR 0.20 MI TO THE STATION ON THE RIGHT ON TOP OF A SAND DUNE.
 A STANDARD BRASS CAP SET ON TOP OF A 2-FT LONG 2-IN PVC PIPE INSIDE A 6-IN PVC PIPE SURROUNDED BY CONCRETE.

SKETCH :



DATE : JULY 1991

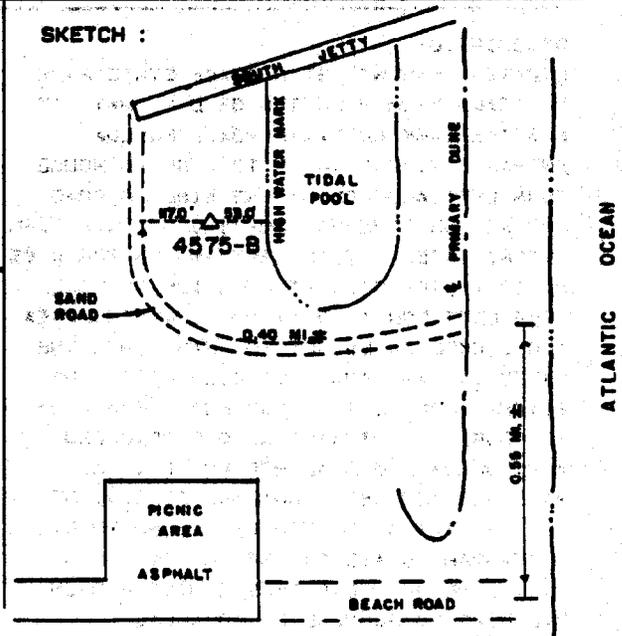
**SOUTH CAROLINA COASTAL COUNCIL
CONTROL SURVEYS
HUNTINGTON BEACH**

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4575 B 1990
 STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°05'13"2 SCALE FACTOR : 0.9997968
 NORTHING : 624,124.13 FEET LAT : 33°31'29".73143
 EASTING : 2,597,410.87 FEET LONG : 79°02'21".56857
 ELEVATION (NGVD 29) 7.11 FEET

OBJECT	GEODETTIC AZIMUTH	GRID BEARING	GRID DISTANCE
4565	220°56'01".13	S 39°50'45"W	1487.32 FEET
4575 C	130°53'01".85	S 50°12'11"E	780.91 FEET

DESCRIPTION :
 LOCATED IN HUNTINGTON BEACH STATE PARK TO REACH FROM JUNCTION OF U.S. HWY. 17 & STATE PARK ENTRANCE ROAD, FOLLOW ENTRANCE ROAD 0.10 MI TO A GUARD HOUSE, PASS BY GUARD HOUSE, TURN LEFT, FOR 1.00 MI ON MAIN ROAD, CROSSING CAUSEWAY, TO A FORK, BEAR LEFT FOR 0.05 MI TO A STOP SIGN, TURN LEFT AND GO NORTHEAST ON PAVED ROAD FOR 1.1 MI TO A PARKING LOT AND A GATE STRAIGHT AHEAD, PASS THRU GATE ON A SAND ROAD FOR 0.2 MI TO THE BEACH, TURN LEFT ON THE BEACH AND GO NORTHEAST FOR 0.55 MI TO A VERY DIM SAND ROAD ON THE LEFT, JUST AFTER PASSING WOODEN SLAT FENCE, FOLLOW SAND ROAD NORTH-NORTHEAST ALONG THE NORTHWEST SIDE OF A LAGOON FOR 0.40 MI TO THE STATION ON THE RIGHT. NOTE: ACCESS TO DATUM POINT IS MAD THROUGH A 5-IN LOGO CAP.

SKETCH :



DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS HUNTINGTON BEACH

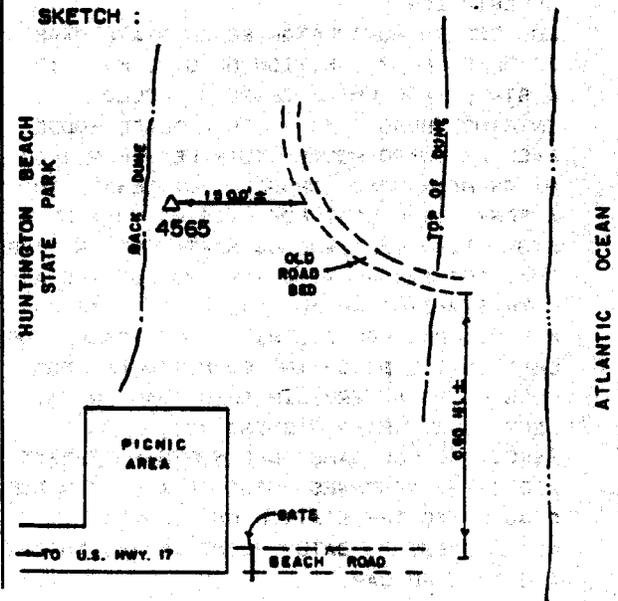
PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4565 1987
 STATE : SOUTH CAROLINA COUNTY : GEORGETOWN
 NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°05'06"8 SCALE FACTOR : 0.9997970
 NORTHING : 819,982.45 FEET LAT : 33°31'48"61519
 EASTING : 2,596,458.09 FEET LONG : 79°02'33"07850
 ELEVATION (NGVD 29) 14.76 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4555 B	214°59'39"76	S 33°54'33"W	1974.12 FEET
4575 B	040°55'54"75	N 39°50'48"E	1487.32 FEET

DESCRIPTION :

LOCATED IN HUNTINGTON BEACH STATE PARK TO REACH FROM JUNCTION OF U.S. HWY. 17 & STATE PARK ENTRANCE ROAD, FOLLOW ENTRANCE ROAD 0.10 MI TO A GUARD HOUSE TURN LEFT AND FOLLOW THE WINDING ROAD, AND ACROSS CAUSEWAY FOR 1.0 MI TO A SIGN (PICNIC AREA). TURN LEFT AND GO FOR 0.05 MI TO A STOP SIGN AT JUNCTION OF ROAD. KEEP LEFT FOR 1.09 MI TO A PARKING AREA AND LOCKED GATES BEYOND. PASS THRU THE GATES ON SAND ROAD FOR 0.15 MI TO THE BEACH. TURN LEFT AND GO NORTH FOR 0.55 MI. TURN LEFT TOWARD AN OLD ROAD BED AND FOLLOW OLD ROAD BED FOR 0.15 MI. MAKE A SHARP LEFT TURN AND GO 0.05 MI TO THE STATION ON TOP OF A SAND DUNE. A STANDARD BRASS CAP SET ON TOP OF A 2-FT LONG 2-IN PVC PIPE INSIDE A 6-IN PVC PIPE SURROUNDED BY CONCRETE.

SKETCH :



UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

TO : DIRECTOR, FBI (100-442610) FROM : SAC, NEW YORK (100-100000) (P)
SUBJECT: [Illegible]

RE: [Illegible]

[Illegible body text]

Very truly yours,
[Illegible Signature]

DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL CONTROL SURVEYS HUNTINGTON BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 4575 C 1990

STATE : SOUTH CAROLINA COUNTY : GEORGETOWN

NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°05'17".1 SCALE FACTOR : 0.9997969

NORTHING : 620,624.4 FEET LAT : 33°31'24".57477

EASTING : 2,598,010.73 FEET LONG : 79°02'14".59299

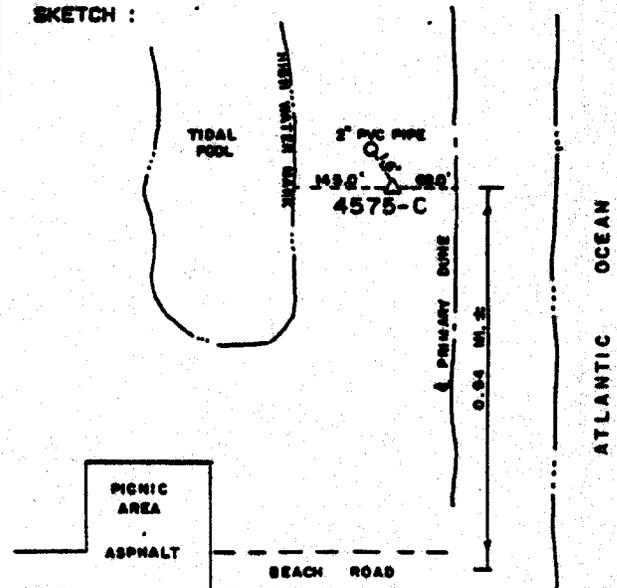
ELEVATION (NGVD 29) 4.97 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
4575 B	310°53'05".82	N 80°12'11"W	780.91 FEET
4800 B	032°05'16".66	N 31°00'00"E	4469.11 FEET

DESCRIPTION :

LOCATED IN HUNTINGTON BEACH STATE PARK, TO REACH FROM JUNCTION OF U.S. HWY. 17 & STATE PARK ENTRANCE ROAD, FOLLOW ENTRANCE ROAD 0.10 MI TO A GUARD HOUSE, TURN LEFT AND FOLLOW WINDING ROAD, CROSSING CAUSEWAY, TO A SIGN (PICNIC AREA). TURN LEFT AND GO 0.05 MI TO A STOP SIGN, KEEP LEFT FOR 1.09 MI TO A PARKING AREA AND LOCKED GATES JUST BEYOND. PASS THRU THE GATES ON A SAND ROAD FOR 0.15 MI TO THE BEACH, TURN LEFT AND GO NORTHEAST ALONG BEACH FOR 0.94 MI TO THE STATION ON THE LEFT. A STANDARD BRASS CAP FIXED ON A STAINLESS STEEL ROD ENCASED IN 4" PVC PIPE.

SKETCH :



Appendix 3
Long Term Shoreline Change Rates

In Litchfield Beach and Huntington Beach State Park, the entire shoreline from monument 4300 to monument 4575 is classified as stable.

